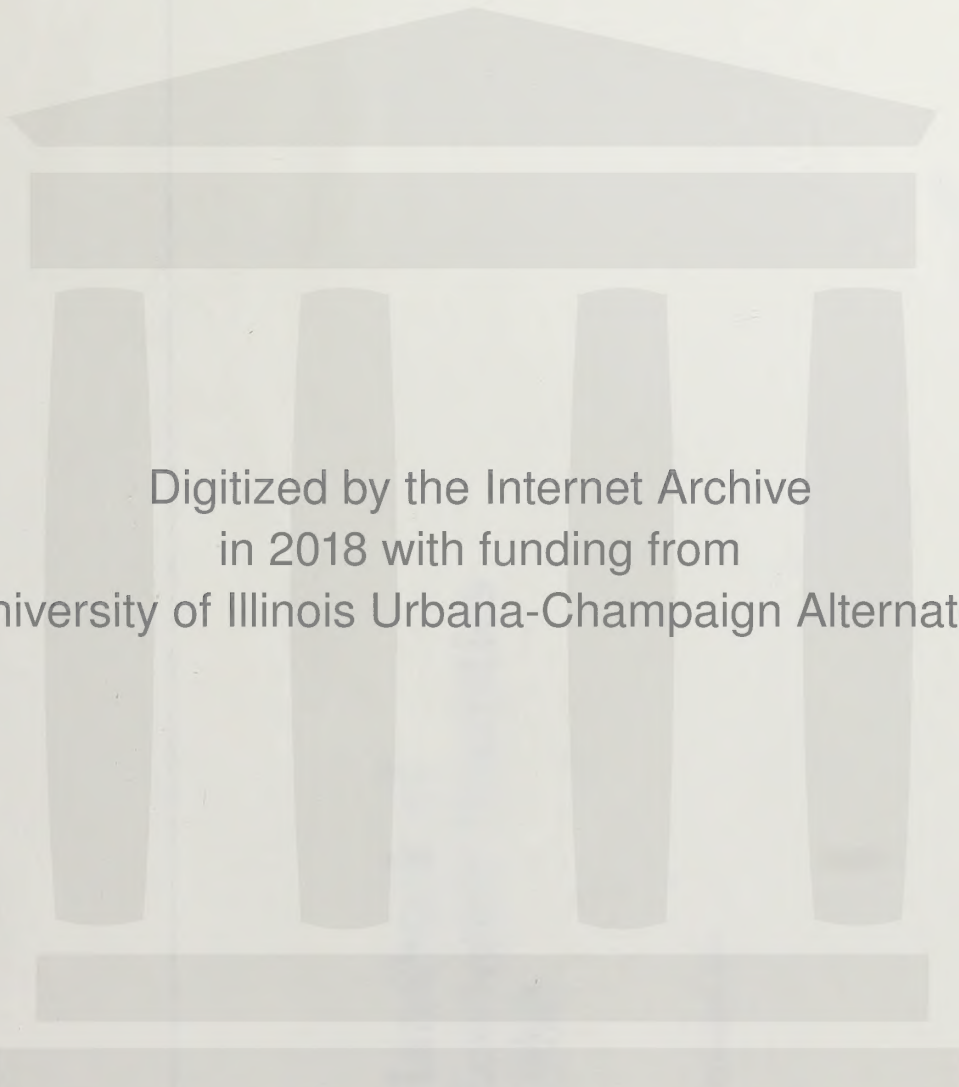


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Purpose and Scope

The *Handbook of Economic Statistics, 1980*, provides statistics for selected non-Communist countries and all the Communist countries.

In general, the data in the *Handbook* are for 1960, 1965, 1970, and 1973-79. Data for the Communist and non-Communist countries have been adjusted, when necessary, to achieve comparability and therefore may differ from data presented in the original sources. Footnotes have been used liberally to give definitions, exceptions, and methodology. The base year for average annual rates of growth is the year prior to the stated period.

Rounding of the Totals

The totals have been rounded, with some exceptions, to three significant digits. Because of rounding, components may not add to the totals shown. Totals are not presented if missing data are believed to represent a significant part of the total. In general, zeros appearing after the last nonzero number following the decimal point are not significant but are used merely for consistency in presentation.

Symbols

The abbreviation *N.A. (not available)* is used when information about the existence of the data or the magnitude of the data is not available, and the abbreviation *Negl. (negligible)* is used when the magnitude of the data is less than one-half of the final unit employed for each table.

Sources

The data given for the most recent years are frequently preliminary and subject to revision. The data for the Communist countries are official data from the country cited, CIA estimates, or estimates made by other organizations. The data for the non-Communist countries are from publications of the United Nations and the Organization for Economic Cooperation and Development (OECD), publications of US Government agencies, unclassified publications of other international organizations or individual countries, or are estimates of this Office.

Terms

Unless otherwise indicated, the term *Communist Countries* includes the USSR, the countries of Eastern Europe, China, North Korea, Vietnam, Albania, Cuba, and Yugoslavia; the term *Eastern Europe* includes Bulgaria, Czechoslovakia, East Germany, Hungary, Poland, and Romania. The term *European Community* includes Belgium, Denmark, France, Ireland, Italy, Luxembourg, the Netherlands, the United Kingdom, and West Germany. The term *developed countries* includes the European Community, Austria, Finland, Greece, Iceland, Israel, Liechtenstein, Portugal, Malta, Norway, Spain, Sweden, Switzerland, Turkey, Australia, Canada, Japan, New Zealand, the Republic of South Africa, and the United States. The term *Organization for Economic Cooperation and Development (OECD)* includes Greece, Portugal, Spain, Turkey, and all the developed countries, except Liechtenstein, Malta, Israel, and the Republic of South Africa.

The Bix Six includes Canada, France, Italy, Japan, the United Kingdom, and West Germany. The Big Seven includes the United States and the Big Six.

Except for economic and military aid data, the term *less developed countries* includes the following (1) all independent countries of Africa except the Republic of South Africa; (2) all independent countries of East Asia except Japan; (3) all independent countries in Latin America except Cuba; and (4) all independent countries in the Middle East and South Asia, except Israel and Turkey. Except for Cyprus no country in either eastern or western Europe is in the LDC grouping. Except for Hong Kong, no territory that is a possession, trust, or protectorate is included in the LDC grouping.

The definition of *less developed countries* for economic and military aid conforms to that used by the Development Assistance Committee of the OECD and other aid agencies and includes the following non-Communist countries (1) all independent countries of Africa except the Republic of South Africa, (2) all countries of East Asia except Hong Kong and Japan, (3) Malta, Portugal, and Spain in Europe, (4) all independent countries in Latin America, except Cuba, and (5) all countries in the Middle East and South Asia.

Totals for the country groupings may or may not include all of the countries listed above, depending on the commodity or services listed.

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Gross National Product Per Capita, 1979 (in 1979 US \$)

More than \$10,000

Belgium
Denmark
France
Iceland
Kuwait
Liechtenstein
Luxembourg
Nauru
Netherlands
Norway
Qatar
Sweden
Switzerland
United Arab Emirates
United States
West Germany

\$7,001 to \$10,000

Australia
Austria
Bermuda
Canada
Faroe Islands
Finland
Greenland
Japan
Saudi Arabia
United Kingdom

\$5,001 to \$7,000

Bahrain
Czechoslovakia
East Germany
Italy
Libya
Monaco
New Zealand
Spain
USSR

\$3,001 to \$5,000

Bahamas
Brunei
Bulgaria
Gabon
Greece
Hong Kong
Hungary
Ireland
Israel
Martinique
Oman
Poland
Romania
San Marino
Singapore
Trinidad and Tobago
Venezuela

\$1,001 to \$3,000

Algeria
Andorra
Argentina
Barbados
Brazil
Chile
Costa Rica
Cuba
Cyprus
Falkland Islands
Fiji
French Polynesia
Guadeloupe
Iran
Iraq
Jamaica
Lebanon
Malaysia
Malta
Mexico
Namibia
Netherlands Antilles
New Caledonia
Panama
Portugal

\$801 to \$1,000

Puerto Rico
Seychelles
South Africa
South Korea
Suriname
Taiwan
Tunisia
Turkey
Uruguay
Yugoslavia

\$601 to \$800

Albania
Colombia
Dominican Republic
Ecuador
French Guiana
Guatemala
Ivory Coast
Mauritius
Paraguay
Peru
Syria

\$401 to \$600

Antigua
Belize
Bolivia
El Salvador
Gibraltar
Gilbert Islands
Guyana
Jordan
Mongolia
Nicaragua
Nigeria
North Korea
St. Lucia
Botswana
Cameroon
Congo
Cook Islands
Dominica
Egypt





Less than \$201

- Afghanistan
- Bangladesh
- Bhutan
- Burma
- Burundi
- Cape Verde Islands
- Central African Republic
- Chad
- Ethiopia
- India
- Kampuchea
- Laos
- Malawi
- Maldives
- Mali
- Mozambique
- Nepal
- Niger
- Rwanda
- Somalia
- Tanzania
- Upper Volta
- Vietnam
- Zaire

- Ghana
- Grenada
- Honduras
- Liberia
- Morocco
- North Yemen
- Peoples' Republic of China
- Philippines
- St. Christopher-Nevis-Anguilla
- Swaziland
- Thailand
- Tonga
- Western Samoa
- Zambia
- Zimbabwe

\$201 to \$400

- Angola
- Benin
- Djibouti
- Equatorial Guinea
- The Gambia
- Guinea
- Guinea-Bissau
- Haiti
- Indonesia
- Kenya
- Lesotho
- Macao
- Madagascar
- Mauritania
- Pakistan
- Papua-New Guinea
- St. Vincent
- Sao Tome/Principe
- Senegal
- Sierra Leone
- South Yemen
- Sri Lanka
- Sudan
- Togo
- Uganda
- Western Sahara

Aid

Foreign Trade

Soviet Economic
Performance

Aggregative Trends

Economic Profile

Graphic Summary

Figure 1

World Gross National Product and Population, 1979

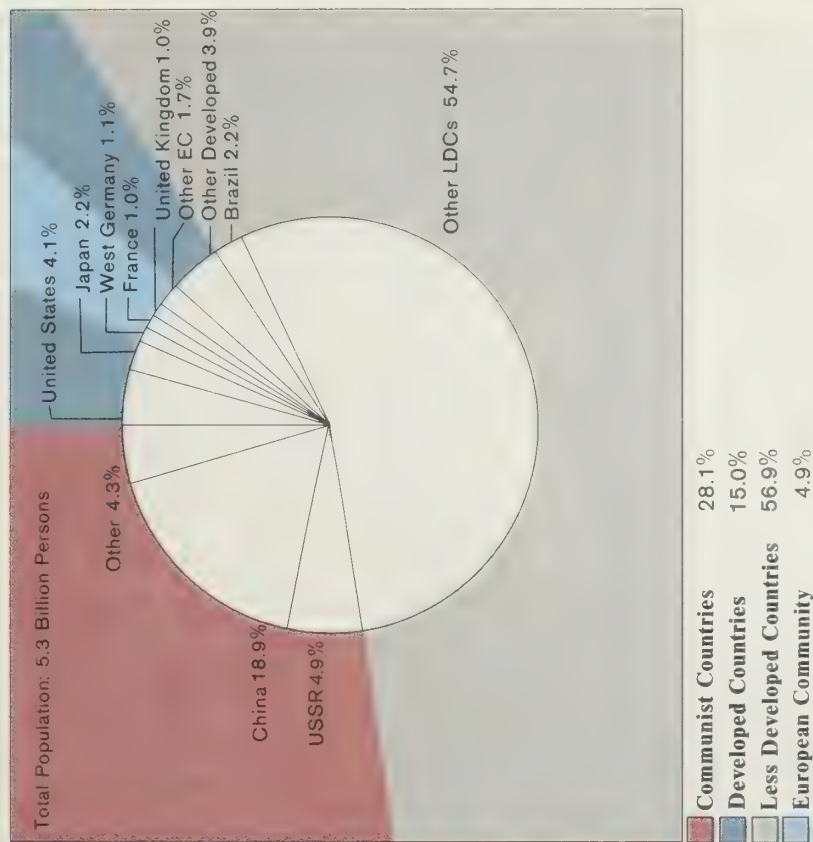
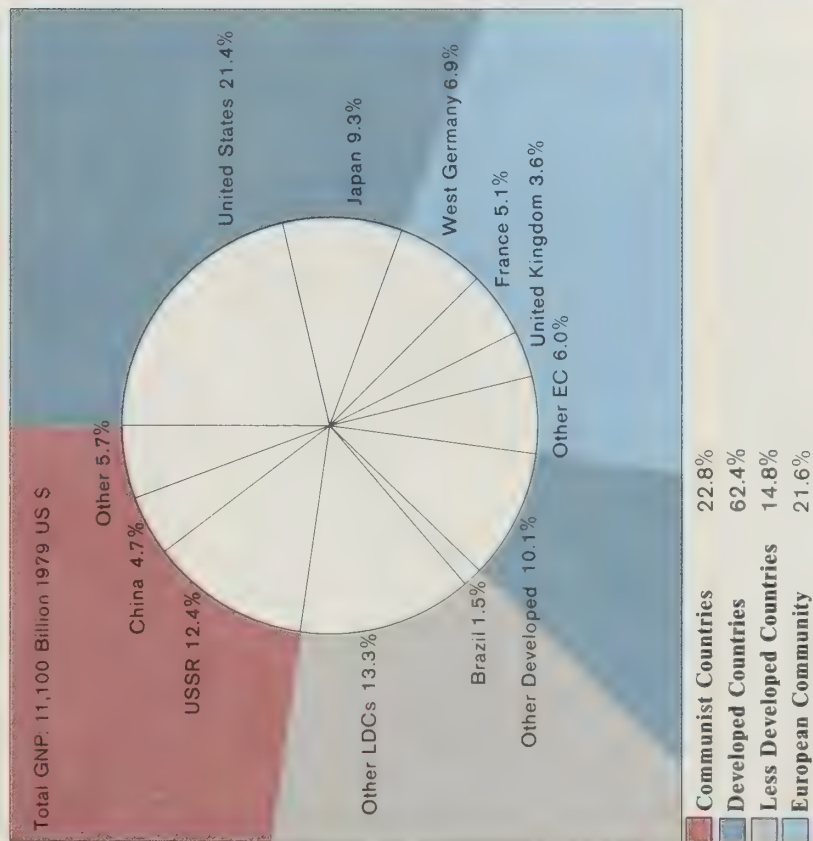


Figure 2

Big Seven: Real Gross National Product

Index: 1968 = 100

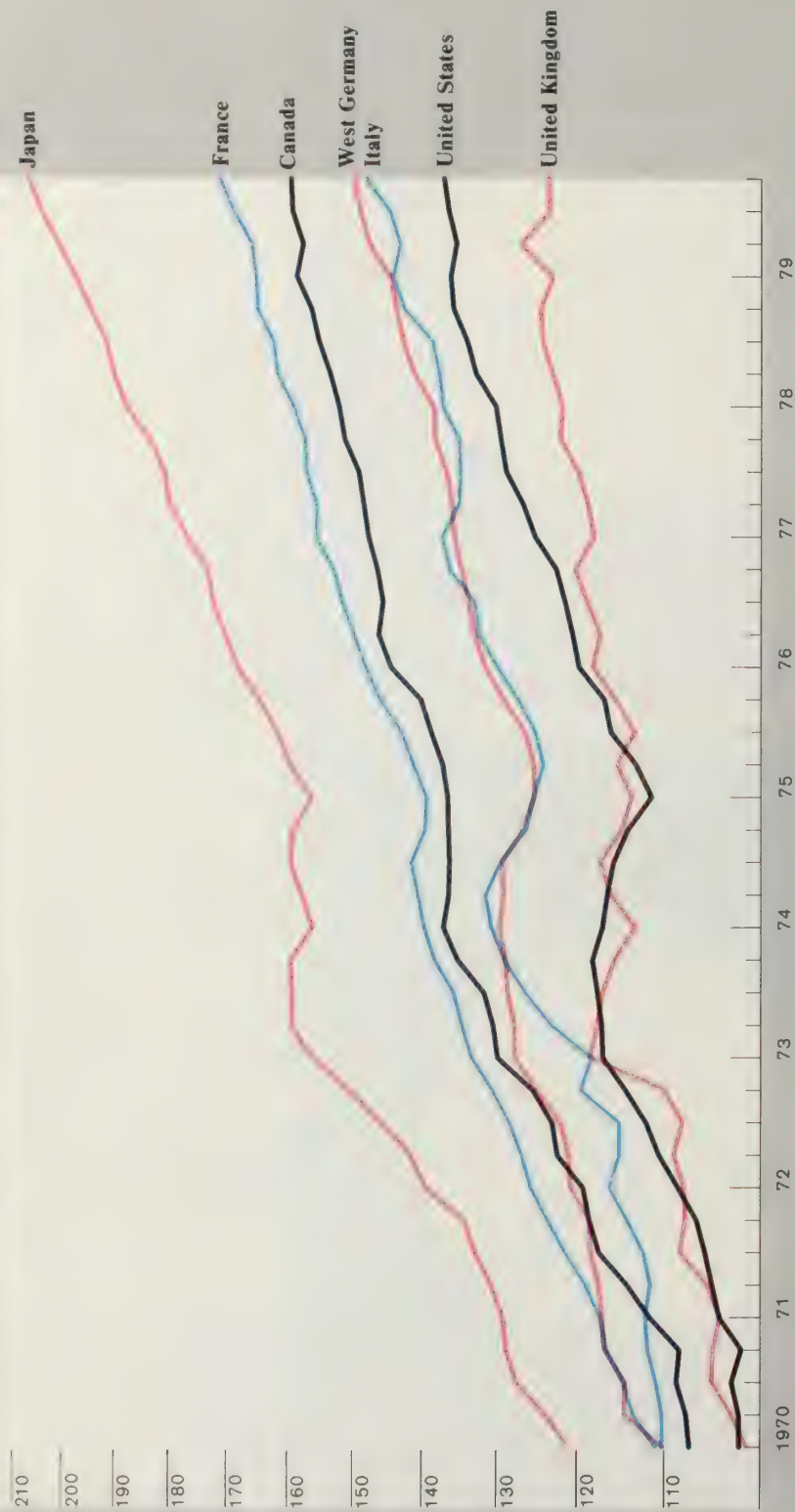
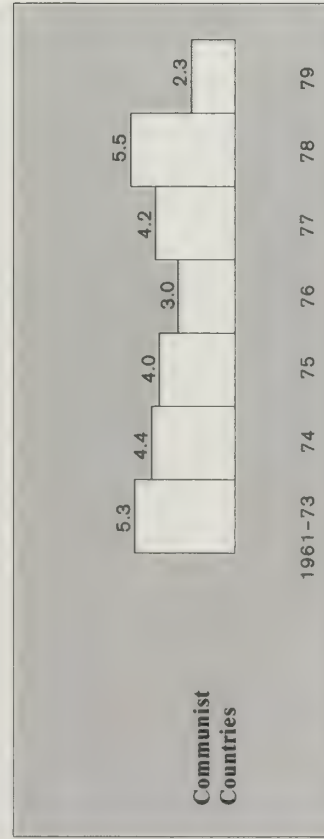
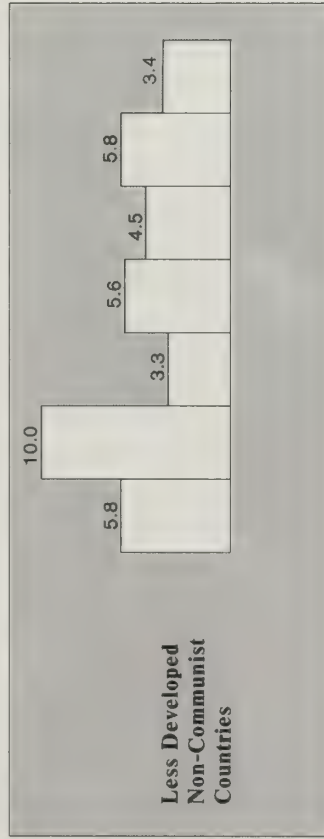
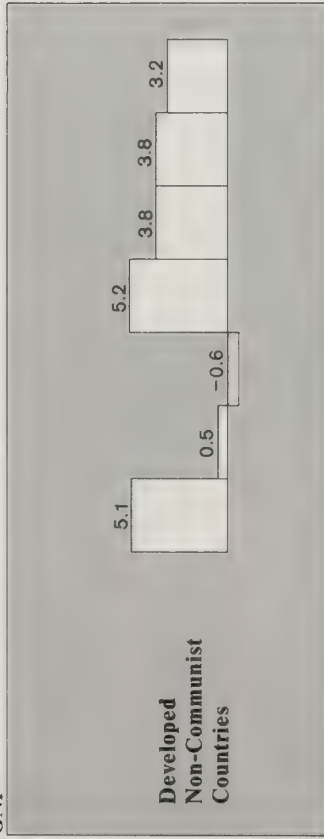


Figure 3

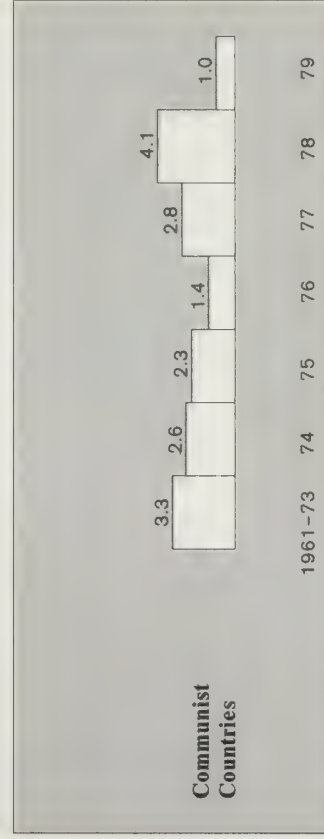
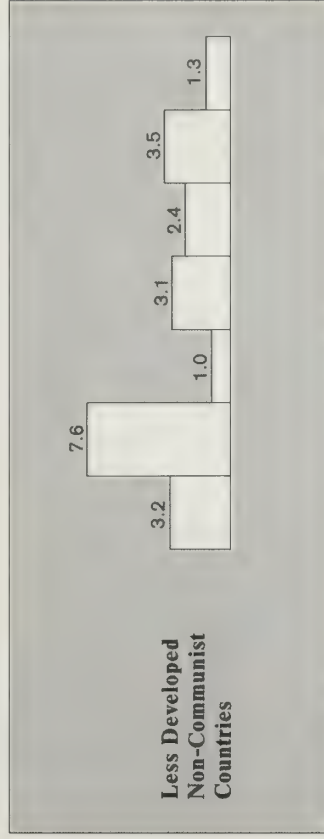
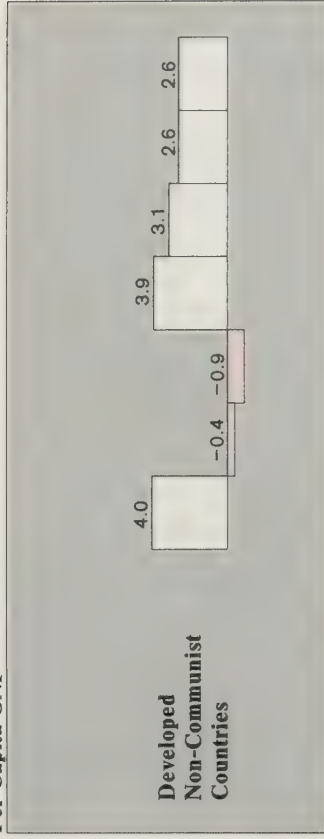
Real Gross National Product Trends

Average Annual Rate of Growth (Percent)

GNP



Per Capita GNP



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Figure 4

Oil Dependency as a Share of Total Primary Energy Demand

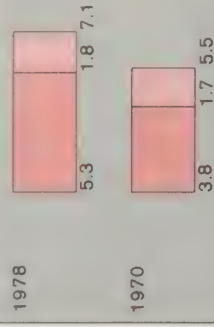
Million b/d oil equivalents

United States

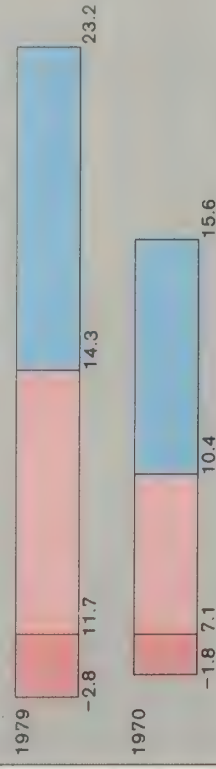
Note: change in scale for United States.



Japan



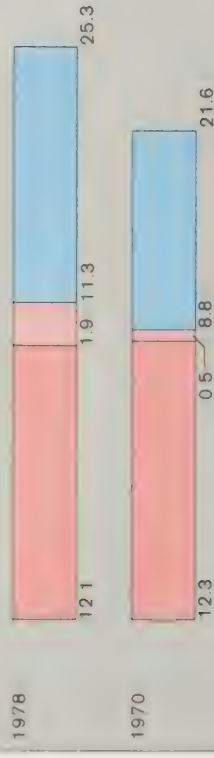
USSR



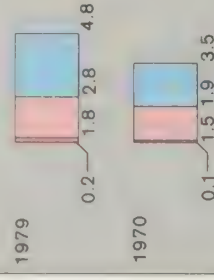
1. Bulgaria, Czechoslovakia, East Germany, Hungary, Poland, and Romania.
2. Including natural gas, coal, hydroelectricity, and nuclear energy.
3. Including natural gas liquids.

582906 9-80

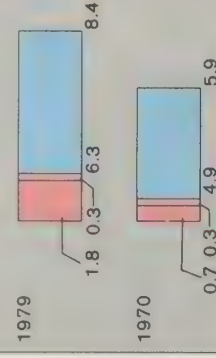
OECD Europe



Canada



Eastern Europe¹



- Oil demand:
- Net oil imports
 - Other²
 - Domestic oil production³

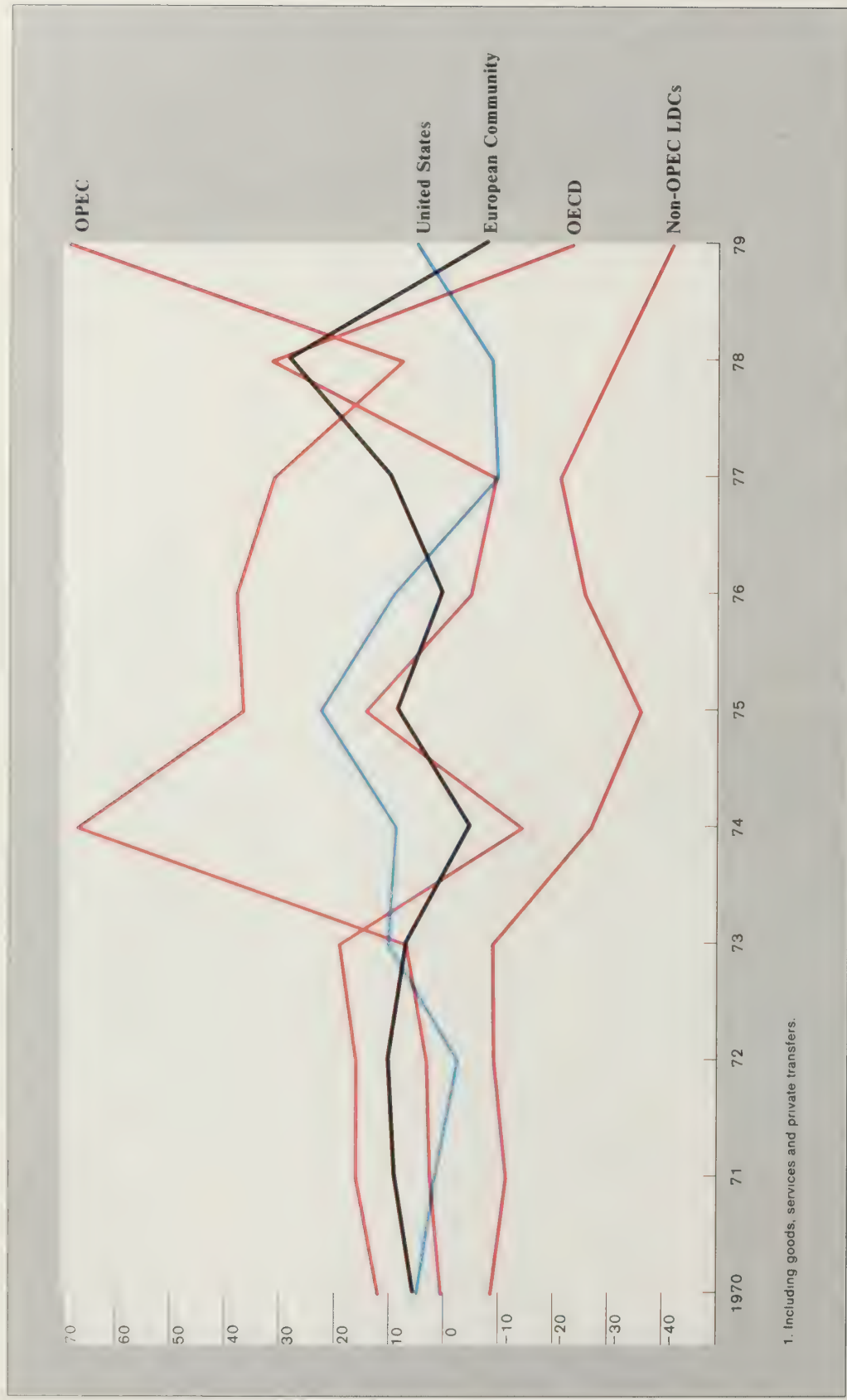
Figure 5

Percent Change in the Value of the US Dollar¹



Current Account Balances¹

Billion US \$



1. Including goods, services and private transfers.

Figure 7

OPEC Countries: Estimated Current Account Balances

Billion US \$



Big Seven: Industrial Production Growth

Percent Change, Three month moving average, at an annual rate, seasonally adjusted.

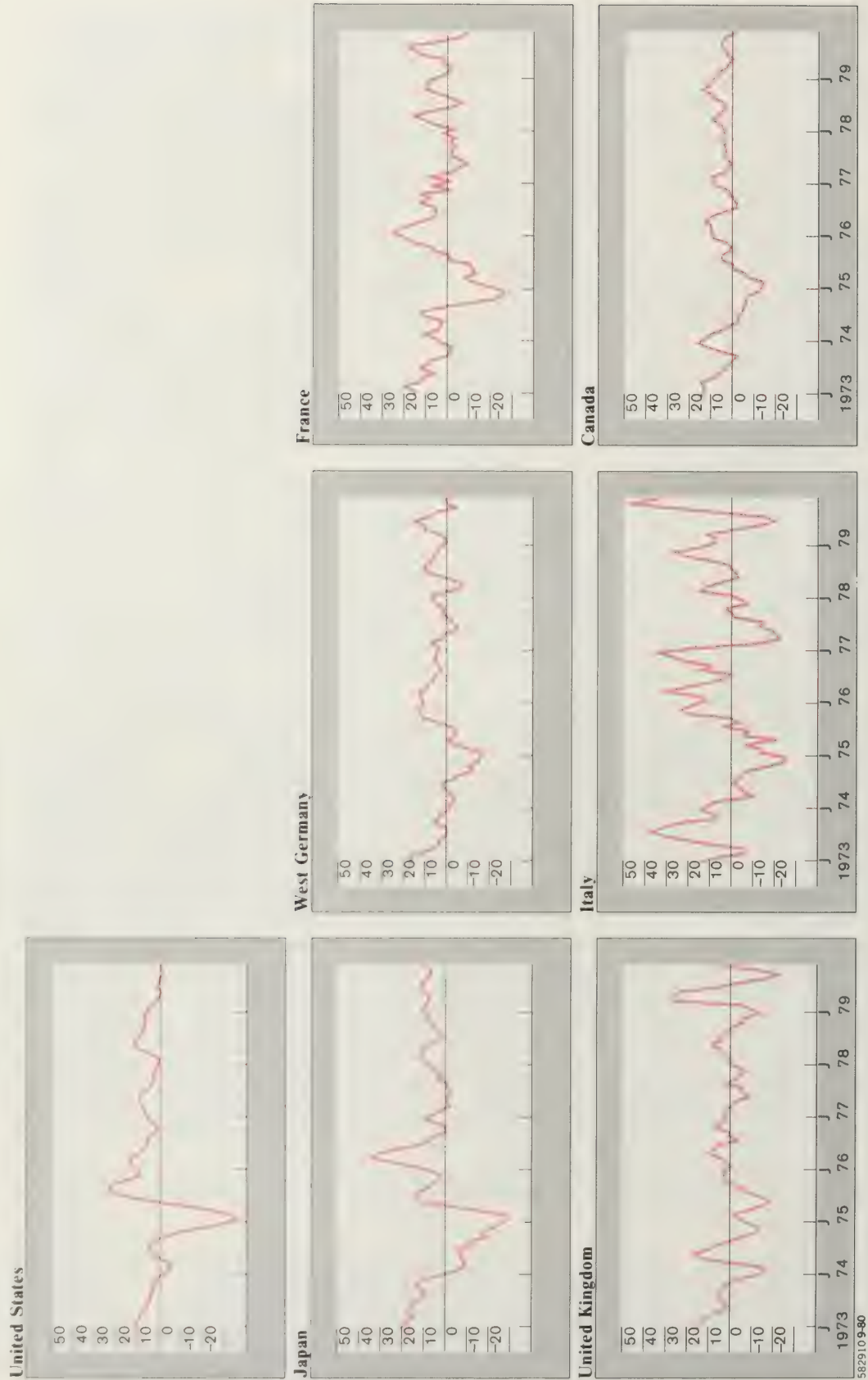
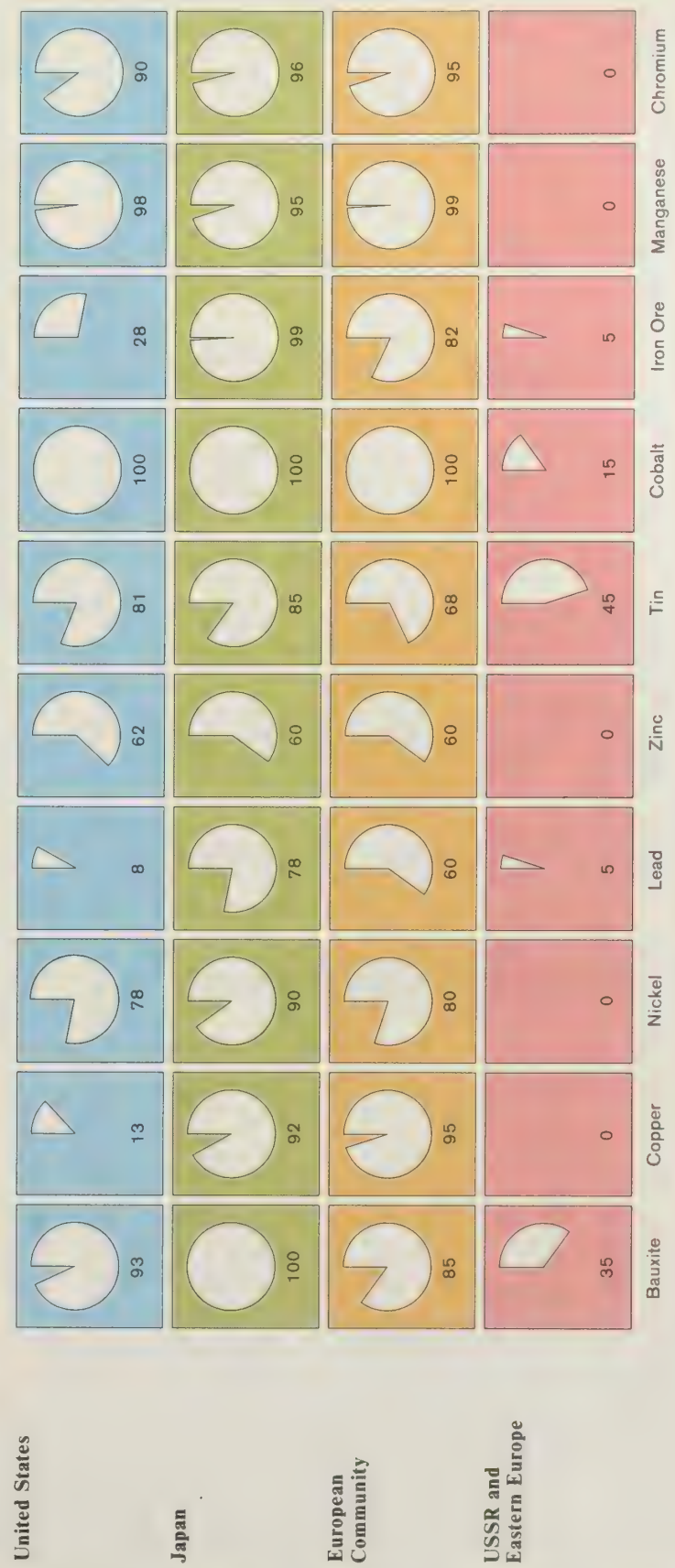


Figure 9

Minerals and Metals: Imports as a Share of Consumption, 1979

Percent



Aid Foreign Trade Soviet Economic Performance Aggregative Trends Economic Profile

Table 1

Economic Profile: Developed Countries, 1979

	United States	Canada	Japan	European Community					United Kingdom	West Germany	
				Total	France	Italy	Netherlands				
Aggregate data											
Population											
Million persons at midyear	220.6	23.7	115.9	260.1	53.5	56.7	14.0	55.9	61.3		
Percent change from 1977	0.9	0.9	0.9	0.2	0.4	Negl.	0.7	Negl.	Negl.		
Gross national product											
Billion 1979 US \$ ¹	2,368.8	219.3	1,030.2	2,390	569.9	318.9	152.1	394.3	759.8		
Percent real growth in 1979	2.3	2.8	6.0	3.1	3.0	4.0	3.3	0.5	4.3		
Per capita (1979 US \$)	10,740	9,250	8,890	9,190	10,650	5,620	10,860	7,050	12,400		
Industrial production (percent growth in 1979)	4.1	5.5	8.4	N.A.	4.0	6.5	2.8	0.5	5.0		
Industry											
Primary energy (million b/d oil equivalent)	32.1	5.2	1.1	9.9	1.0	0.5	1.7	4.1	2.4		
Electricity (billion kilowatt-hours)	2,432	360	512	1,250	241	180	64	300	374		
Crude steel (million metric tons)	123.3	15.9	111.7	139	23.3	24.0	5.8	21.5	45.0		
Cement (million metric tons)	75.3	10.5	87.8	136	28.8	39.7	3.7	16.1	35.5		
Trade and international reserves											
Exports, f.o.b. (billion US \$)	181.6 ²	58.2	102.3	577.5	100.7	72.2	63.7	91.0	171.9		
Imports, c.i.f. (billion US \$)	218.9	56.8	109.8	604.6	107.0	78.0	68.2	102.9	159.7		
Trade balance (billion US \$)	-37.3	1.4	-7.5	-27.0	-6.3	-5.7	-4.5	-11.9	12.2		
International reserves (billion US \$)	20.0	3.9	20.6	142	21.4	21.2	9.6	20.7	56.9		
Indicators of living standards											
Grain production (kilograms per capita)	1,332	1,460	140	430	800	310	86	300	360		
Meat production (kilograms per capita)	114	97	24	78	91	54	135	51	76		
Automobile registrations ³ (units per thousand persons)	528	411	184	307	332	300	286	258	353		
Energy consumption (barrels oil equivalent per capita) ³	62	68	23	N.A.	27	18	39	28	33		
Consumer price index (percent growth in 1979)	11.3	9.1	3.6	N.A.	10.6	15.7	4.4	13.4	4.1		
Telephones in use ⁴ (units per thousand persons)	742	617	441	353	329	284	418	415	374		

¹ Data were converted from national currencies at average 1979

Par Rate/Market Rate factors.

² Excluding Department of Defense shipments.³ Data are for 1978.⁴ Data are for 1977.

Table 2

Economic Profile: Communist Countries, 1979

	USSR	Eastern Europe						China	Yugoslavia
		Total	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Romania	
Aggregate data									
Population									
Million persons at midyear	263.4	108.6	8.8	15.2	16.7	10.7	35.2	22.0	1,012.2
Percent change from 1978	0.8	0.5	Negl.	0.7	-0.6	Negl.	0.9	0.9	1.5
Gross national product ¹									
Billion 1979 US \$	1,374.8 ²	426	26.7	76.6	89.1	35.7	119.1	78.9	517.0
Percent real growth in 1979	0.7 ²	1.8	2.6	0.7	2.3	1.3	-0.1	4.5	7.0
Per capita (1979 US \$)	5,220	3,920	3,030	5,040	5,340	3,340	3,380	3,590	510
Industrial production (percent growth in 1979)	2.0	2.7	4.1	1.5	2.3	2.4	0.6	6.1	8.3
Industry									
Primary energy (million b/d oil equivalent)	26.3	6.4	0.2	1.0	1.2	0.3	2.7	1.1	8.7
Electricity (billion kilowatt-hours)	1,239	405	33	68	97	25	117	65	282
Crude steel (million metric tons)	149.0	60.3	2.5	14.8	7.0	3.9	19.2	12.9	34.4
Cement (million metric tons)	123.0	67.1	5.4	10.3	12.5	4.9	19.2	14.8	73.9
Trade									
Exports (billion US \$)	64.9	77.9	9.0	13.9	17.3	11.1	16.8	9.7	13.4
Imports (billion US \$)	58.0	83.0	8.6	14.4	19.2	11.9	18.1	10.9	14.9
Trade balance (billion US \$)	7.0	-5.1	0.4	-0.5	-1.8	-0.8	-1.2	-1.2	-6.4
Indicators of living standards									
Grain production (kilograms per capita)	680	690	960	610	520	1,130	490	880	330
Meat production (kilograms per capita)	59	98	87	102	109	146	92	76	N.A.
Automobile registrations (units per thousand persons) ³	25	71	55	130	143	71	52	10	N.A.
Energy consumption (barrels oil equivalent per capita) ³	82	74	71	96	102	55	67	60	N.A.
Telephones in use (units per thousand persons) ³	79	115	120	196	178	101	88	59	N.A.

¹ Data were converted at US purchasing power equivalents.² Data are at factor costs.³ Data are for 1978.

Table 3

**Economic Profile: Organization of Petroleum
Exporting Countries, 1979**

	Algeria	Ecuador	Gabon	Indonesia	Iran	Iraq	Kuwait	Libya	Nigeria	Qatar	Saudi Arabia	United Arab Emirates	Venezuela
Aggregate data													
Population													
Million persons at midyear	18.2	7.8	0.6	148.1	37.6	12.9	1.3	2.9	74.6	0.2	6.5	0.9	14.5
Percent increase from 1978	3.4	3.0	1.7	2.1	3.0	3.4	5.9	4.1	3.3	3.2	3.2	N.A.	3.3
Gross national product													
Billion 1979 US \$	30.0	8.6	2.9	51.0	81.3	35.2	23.5	20.0	56.0	5.0	75.1	21.0	47.4
Percent real growth in 1979	10.0	5.0	-2.0	5.0	-24.0	2.7	16.0	N.A.	5.5	5.0	7.6	1.0	4.0
Per capita (1979 US \$)	1,650	1,100	4,830	340	2,160	2,730	18,100	6,900	750	25,000	11,550	23,330	3,270
Industry													
Crude oil production (thousand b/d)													
	1,135	215	205	1,590	3,035	3,435	2,500 ¹	2,065	2,305	505	9,530	1,835	2,355
Share of oil in GNP (percent)	30	N.A.	34	10	36	63	75	80	32	75	57	80	N.A.
Trade and international reserves													
Exports f.o.b. (million US \$)	8,198	1,516 ²	1,729	15,590	19,001	21,449	17,480	15,236	17,801	3,588	59,334	13,493	14,158
Government oil revenues (million US \$)													
	4,800 ²	213 ²	615	5,350	18,733 ²	22,000	16,700	N.A.	11,300	3,600	58,000	12,100	5,800 ²
Oil exports (thousand b/d)	1,025	155	185	1,225	2,465	3,250	2,494	1,985	2,135	505	9,368	1,805	2,070
Imports c.i.f. (million US \$)	8,100	1,583 ²	569	7,202	9,739	6,312	5,360	7,898	9,692	1,184 ²	27,736	6,952	10,400
United States (million US \$)	404	696	32	1,044	1,019	442	764	468	632	138	4,875	667	3,931
European Community (million US \$)													
	5,253	579	382 ²	1,100	3,139	3,615	1,900	4,644 ²	4,029	572	8,818 ²	2,461	1,903
Japan (million US \$)	343 ²	202	17	2,100	927	1,600	879 ²	545	801	241	3,803	1,039	778
International reserves³ (million US \$)													
	2,915	786	21	4,075	15,389	6,996 ⁴	2,989	6,458	5,576	225 ²	19,485	1,458	7,813

¹ Including about one-half of Neutral Zone production.² Data are for 1978.³ Including gold valued at SDR 35 per ounce.⁴ Data are for 1977.

Table 4

Economic Profile: Selected Less Developed Countries, 1979

	Africa				Asia				Latin America				Middle East and South Asia						
	Ivory Coast	Kenya	Morocco	Zaire	Hong Kong	Malay-sia	Philip-pines	South Korea	Taiwan	Argen-tina	Brazil	Chile	Colom-bia	Mexico	Peru	Egypt	India	Paki-stan	Syria
Aggregative data																			
Population																			
Million persons at midyear	7.5	15.4	19.8	27.9	4.7	13.3	47.7	39.1	17.4	26.8	119.2	10.8	26.1	65.8	17.3	41.0	667.3	80.2	8.4
Percent increase from 1978	2.7	3.6	3.0	2.9	1.9	2.8	2.2	1.7	1.8	1.3	2.8	1.5	2.2	2.8	2.8	2.7	2.0	3.0	3.3
Gross national product																			
Billion 1979 US \$	8.8	5.4	15.2	4.7	17.6	19.3	29.2	61.1	25.9	63.1	224.0	17.1	18.5 ¹	120.1 ²	11.4	16.2	119.8 ³	21.1 ⁴	8.5
Percent real growth in 1979	5.2	4.0	3.0	-1.0	11.0	8.3	5.7	7.1	7.4	8.5	6.5	6.8	5.0 ¹	8.0	1.6	8.6	-2.5	5.9	3.0
Per capita (1979 US \$)	1,170	350	770	170	3,740	1,450	620	1,550	1,490	2,350	1,800	1,580	720 ¹	1,820	660	400	180	260	1,010
Industry																			
Electricity production (billion kilowatt-hours)	1.5	1.4 ¹	4.4	4.0 ¹	10.2	8.0	15.8	35.6	38.8	33.0	98.5	11.5	18.8 ¹	59.1	8.5	17.7	106.0 ⁴	13.5 ¹	2.7
Agriculture																			
Grain production (million metric tons)	1.0	2.1	4.1	0.7	Negl.	1.7	10.1	8.3	3.8	24.7	30.2	1.8	3.2 ¹	14.7	1.4	7.1	113.2	15.9	2.4 ¹
Trade and international reserves																			
Exports, f.o.b. (million US \$)	2,514	1,090	1,873	1,323	11,273	11,077	4,533	15,055	16,068	6,400 ¹	15,244	3,763	3,381	8,982	3,532	1,840	6,939	2,056	1,644
Imports, c.i.f. (million US \$)	2,491	1,637	3,678	597	17,300	7,854	6,611	20,339	14,781	3,834 ¹	19,677	4,218	4,437	12,086	2,146	3,837	8,800	3,960	3,329
International reserves (million US \$) ⁵	149	631	590	219	N.A.	4,013	2,329	2,973	1,578	9,589	9,046	2,009	3,951	2,124	1,574	644	7,829	295	698

¹ Data are for 1978.² Data are for gross domestic product.³ Data are for the fiscal year beginning 1 April 1978.⁴ Data are for the fiscal year beginning April 1977 and include data for public utilities only.⁵ Including gold valued at SDR 35 per ounce.

Table 5

Selected World Statistics ¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
Gross National Product (Billion 1979 US \$)	4,680	6,060	7,750	9,090	9,330	9,430	9,880	10,300	10,700	11,100
Population (Million persons, midyear)	3,750	4,130	4,540	4,800	4,894	4,983	5,074	5,164	5,255	5,347
Exports (Billion US \$)	129.8	189.9	313.1	576.0	840.2	873.8	991.5	1,127.5	1,303.0	1,627.7
Crude oil (Million b/d)	21.0	30.3	45.7	55.8	55.9	53.0	57.4	59.6	60.2	62.4
Natural gas (Trillion cubic feet)	N.A.	24.5	38.1	46.1	46.2	46.4	48.3	50.1	51.7	53.3
Hard coal (Million metric tons)	1,985	2,034	2,143	2,185	2,251	2,372	2,434	2,464	2,584	2,646
Brown coal and lignite (Million metric tons)	640	742	793	824	843	863	892	904	917	934
Electricity (Billion kilowatt hours)	2,348	3,412	5,019	6,124	6,309	6,518	6,978	7,289	7,649	7,801
Iron ore (Million metric tons)	522	621	769	846	895	892	895	858	834	864
Bauxite (Million metric tons)	27.6	37.4	57.8	70.4	78.0	75.1	77.6	82.4	81.7	85.0
Pig iron (Million metric tons)	259	335	431	481	514	468	487	483	497	525
Crude steel (Million metric tons)	346	459	594	698	708	651	683	674	712	743
Refined copper (Thousand metric tons)	N.A.	6,157	7,543	8,522	8,904	8,344	8,785	9,105	9,218	9,387
Refined nickel (Thousand metric tons)	N.A.	417	592	654	717	704	735	719	612	674
Primary aluminum (Million metric tons)	4.5	6.3	9.7	12.1	13.2	12.0	12.5	13.7	14.1	14.5
Smelter lead (Thousand metric tons)	2,313	2,641	3,292	3,482	3,500	3,369	3,313	3,410	3,456	3,420
Refined zinc (Thousand metric tons)	3,025	3,949	4,827	5,331	5,463	5,460	5,779	5,983	6,049	6,505
Primary tin metal (Thousand metric tons)	192	200	227	234	228	226	226	225	237	251
Mineral fertilizer ² (Million metric tons, nutrient content)	N.A.	42.8	66.3	81.8	87.5	93.3	93.4	99.6	105.1	112.8
Nitrogen fertilizer ³ (Million metric tons of N)	N.A.	16.8	30.2	37.8	40.4	42.5	43.9	46.2	49.4	53.8
Phosphate fertilizer ³ (Million metric tons of P ₂ O ₅)	N.A.	13.8	19.2	23.8	24.9	27.1	26.1	28.2	30.0	32.5
Potassium fertilizer ³ (Million metric tons of K ₂ O)	N.A.	12.1	16.9	20.2	22.2	23.7	23.4	25.2	25.8	26.5
Synthetic fibers (Thousand metric tons)	700	2,050	4,870	7,820	7,680	7,460	8,650	9,060	9,945	10,282
Automobiles (Thousand units)	12,800	19,100	22,500	29,800	25,800	25,220	28,930	30,430	32,380	31,340
Trucks and buses (Thousand units)	3,690	5,220	6,780	9,500	9,290	7,960	9,210	11,430	11,200	10,250
Television receivers (Million units)	19.8	30.0	45.8	54.2	53.5	49.3	56.6	58.0	59.8	58.9
Radio receivers (Million units)	51.8	72.8	107.8	122.5	112.7	101.7	122.0	126.6	114.4	98.0
Grain (Million metric tons)	929	1,010	1,220	1,400	1,360	1,390	1,490	1,470	1,600	1,550
Wheat (Million metric tons)	240	262	319	377	360	355	418	382	439	403
Coarse grain (Million metric tons)	414	441	540	628	607	605	663	668	729	710
Rice (Million metric tons)	162	166	312	329	337	360	350	371	385	369
Potatoes (Million metric tons)	285	285	312	317	295	286	291	293	303	306
Sugar (Million metric tons)	61.4	67.2	76.7	80.7	81.0	85.1	88.8	96.4	95.7	94.1

Fish catch (Million metric tons)	40.2	53.2	68.1	65.1	68.9	68.6	72.1	71.2	72.4	N.A.
Cattle (Million head)	901	1,070	1,100	1,150	1,180	1,200	1,210	1,210	1,210	1,210
Hogs (Million head)	519	575	594	652	661	655	638	703	736	760
Meat (Million metric tons)	65.4	73.3	102.0	109.0	115.0	117.0	123.0	128.0	132.0	134.0
Milk (Million metric tons)	315	342	362	380	387	390	397	409	414	418
Wool (Thousand metric tons)	2,450	2,540	2,840	2,570	2,530	2,650	2,610	2,590	2,630	2,710
Ginned cotton (Million metric tons)	10.4	12.2	11.8	13.7	14.0	11.8	12.5	13.9	13.0	14.3
Railroad freight (Billion ton-kilometers)	3,338	4,195	5,020	5,764	5,982	5,958	6,999	6,223	6,408	N.A.
Fishing fleet inventory (Number)	N.A.	N.A.	12,889	17,054	17,955	18,940	19,651	19,940	19,969	20,408
(Thousand GRT)	N.A.	N.A.	7,804	10,275	10,683	11,339	11,849	12,162	12,198	12,270
Merchant fleet inventory (Number)	17,229	17,825	19,503	21,600	21,755	22,353	22,884	24,102	24,036	24,155
(Million DWT)	171.6	214.1	325.1	446.4	502.7	556.4	596.9	628.8	633.4	641.3
Tanker fleet inventory (Number)	3,371	3,533	4,119	4,813	4,988	5,177	4,311	5,503	5,363	5,342
(Million DWT)	63.7	89.6	152.4	220.5	261.4	301.7	319.6	389.5	381.5	382.1

¹ For more detailed descriptions and definitions, refer to the respective table. Unless otherwise indicated data include China.

² Including brown coal at its hard coal equivalent.

³ Fertilizer year ending 30 June of the stated year.

Indicators of Living Standards for the US and USSR

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
Food										
Grain production ¹ (kilograms per capita)										
United States ²	1,003	944	911	1,129	965	1,164	1,196	1,209	1,249	1,332
USSR ¹	586	524	769	891	776	551	871	756	908	680
Meat production ⁴ (kilograms per capita)										
United States	71	74	110	105	112	108	116	117	115	114
USSR	41	43	51	54	58	59	53	57	59	59
Persons supplied per farm worker										
United States	26	35	45	48	48	49	49	52	56	56
USSR	5	6	6	7	7	7	7	8	8	8
Housing										
Housing construction (square meters per capita)										
United States	0.80	0.82	0.74	1.14	0.93	0.76	0.82	0.99	1.07	1.06
USSR	0.51	0.42	0.44	0.44	0.44	0.43	0.41	0.42	0.41	0.39
Transportation										
Passenger automobile production (units per hundred persons)										
United States ⁵	3.69	4.79	3.20	4.59	3.46	3.14	3.95	4.24	4.19	3.82
USSR	0.06	0.09	0.14	0.37	0.44	0.47	0.48	0.49	0.50	0.50
Household equipment										
Washing machine production (units per thousand persons)										
United States ⁵	18	22	20	26	23	20	21	23	23	23
USSR	4	15	22	12	12	13	14	14	14	14
Washing machines in use ⁶ (units per thousand persons)										
United States ⁷	158	170	194	224	229	238	248	256	267	278
USSR	13	59	141	173	181	189	195	200	203	205
Refrigerator production (units per thousand persons)										
United States ⁵	19	25	26	32	28	21	22	26	27	26
USSR	2	7	17	22	22	22	23	22	23	23
Refrigerators in use ⁶ (units per thousand persons)										
United States ⁷	281	295	336	330	334	340	344	349	355	359
USSR	10	29	89	142	161	178	194	210	226	240

¹ The data do not necessarily represent food available for consumption, because imports of foreign grain and exports of domestically produced grain are not included.

² Excluding corn silage and forage but including sorghum for grain.

³ Including miscellaneous grains and pulses. Measured in bunker weight, that is gross output from the combine, which includes excess moisture, unripe and damaged kernels, weed seeds, and other trash. For comparison with US or other country grain output, an average discount of 11 percent should be applied.

⁴ Data are on a carcass weight, bone-in basis.

⁵ Data are for factory sales and include complete units exported for assembly.

⁶ As of the end of the year.

⁷ Data are understated because they are based on the number of households with one or more units; thus, a household with more than one is counted as having only one.

Table 7

Commodity Production of the US and the USSR¹

Commodity	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
Primary energy (million b/d of oil equivalent)										
US	21.1	24.9	30.8	31.7	30.5	30.2	30.1	30.3	30.8	32.1
USSR	9.3	13.2	17.0	19.6	20.7	21.9	23.2	24.3	25.4	26.3
Crude oil (thousand b/d)										
US	7,055	7,804	9,648	9,210	8,770	8,375	8,130	8,180	8,700	8,535
USSR	2,943	4,835	6,976	8,420	9,020	9,630	10,170	10,700	11,215	11,470
Natural gas (trillion cubic feet)										
US	12.8	16.0	21.9	22.6	21.6	20.1	20.0	20.0	20.0	20.4
USSR	1.6	4.5	7.0	8.3	9.2	10.2	11.3	12.2	13.1	14.4
Hard coal (million metric tons)										
US	391.5	475.3	550.4	530.1	539.3	576.2	598.1	604.7	575.1	668.6
USSR	355.9	397.6	432.7	461.2	473.4	485.0	494.0	503.0	501.0	497.0
Brown coal and lignite (million metric tons)										
US	2.5	4.6	7.2	12.9	14.1	17.7	23.2	27.8	32.8	35.2
USSR	134.2	147.4	144.7	153.5	157.2	160.0	160.0	160.0	163.0	161.0
Electricity (billion kilowatt-hours)										
US	893.7	1,229.6	1,742.7	2,081.2	2,086.3	2,131.0	2,169.7	2,361.7	2,389.9	2,432.5
USSR	292.3	506.7	740.9	914.6	975.8	1,038.6	1,111.4	1,150.1	1,201.9	1,239.0
Iron ore (million metric tons)										
US	90.2	88.8	91.2	89.1	85.7	80.1	80.0	55.8	82.8	86.5
USSR	105.9	153.4	195.5	216.1	224.8	232.8	239.1	239.7	244.2	241.0
Bauxite (thousand metric tons)										
US	2,030	1,680	2,120	1,910	1,980	1,800	1,989	2,013	1,669	1,750
USSR	3,100	5,300	6,700	7,500	7,800	8,000	8,200	8,500	8,800	9,000
Pig iron (million metric tons)										
US	62.2	82.6	82.8	91.9	86.6	72.5	78.8	73.4	79.6	78.9
USSR	46.8	66.2	85.9	95.9	99.9	103.0	105.4	107.4	110.7	109.0
Crude steel (million metric tons)										
US	90.1	119.3	119.3	136.8	132.2	105.8	116.1	113.7	124.3	123.3
USSR	65.3	91.0	115.9	131.5	136.2	141.3	144.7	146.7	151.5	149.0
Refined copper (thousand metric tons)										
US	1,642	1,957	2,065	2,117	1,952	1,622	1,737	1,707	1,869	2,015
USSR	475	700	1,015	1,200	1,250	1,320	1,350	1,400	1,460	1,500

Commodity Production of the US and the USSR¹

Commodity	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
Primary aluminum (thousand metric tons)										
US	1,830	2,500	3,600	4,110	4,450	3,520	3,857	4,117	4,358	4,560
USSR	620	970	1,490	1,890	2,020	2,130	2,220	2,270	2,330	2,410
Lead (thousand metric tons)										
US	347	379	605	612	611	577	592	549	565	576
USSR	300	385	470	510	530	540	560	575	580	585
Refined zinc (thousand metric tons)										
US	788	978	866	604	575	450	515	454	441	525
USSR	360	475	690	780	790	820	840	860	875	890
Gold (million troy ounces)										
US	1.7	1.7	1.7	1.2	1.1	1.0	1.0	1.1	1.0	0.9
USSR	3.6	5.3	7.0	8.0	8.4	8.3	8.9	9.2	9.5	9.9
Synthetic ammonia (million metric tons of N)										
US	3.6	6.6	10.1	11.2	11.7	12.2	12.2	12.4	12.8	13.5
USSR	1.1	3.1	6.3	8.4	9.1	9.9	10.1	10.7	11.5	12.8
Mineral fertilizer (million metric tons, nutrient content)										
US	7.4	11.9	15.8	17.8	17.1	18.2	19.2	19.0	21.0	N.A.
USSR	3.3	7.4	13.1	17.4	19.4	22.0	22.6	23.5	23.7	22.1
Nitrogen fertilizer (million metric tons of N)										
US	2.7	5.1	8.2	9.2	8.5	9.6	9.8	9.5	10.2	N.A.
USSR	1.0	2.7	5.4	7.2	7.9	8.5	8.6	9.1	9.3	9.2
Plastics (million metric tons)										
US	2.8	5.3	9.7	13.7	13.8	10.2	13.3	11.2	12.4	13.9
USSR	0.3	0.8	1.7	2.3	2.5	2.8	3.1	3.3	3.5	3.5
Synthetic rubber (million metric tons)										
US	1.5	1.8	2.2	2.6	2.4	2.0	2.4	2.5	2.6	2.5
USSR	0.3	0.6	0.9	1.2	1.3	1.4	1.6	1.7	1.8	1.9
Woven cotton fabrics										
US (billion linear meters)	8.6	8.4	5.7	4.7	4.3	3.7	4.1	4.0	3.7	3.6
USSR (billion square meters)	4.8	5.5	6.2	6.6	6.6	6.6	6.8	6.8	7.0	7.0
Woven woolen fabrics										
US (million linear meters)	262	244	163	97	73	71	87	94	107	109
USSR (million square meters)	439	466	643	703	724	740	764	773	781	774

Table 7 (Continued)

Commodity Production of the US and the USSR ¹

Commodity	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
Turbine production (million kW)										
US	12.9	15.5	27.6	34.8	38.3	30.5	35.3	30.2	27.9	29.8
USSR	9.2	14.6	16.2	15.1	17.3	18.9	19.6	18.9	19.5	20.0
Grain combines (thousands)										
US	30.2	37.6	21.0	25.2	28.6	31.3	31.7	31.9	31.8	N.A.
USSR	59.0	85.8	99.2	84.8	88.4	97.5	101.7	105.5	113.0	115.0
Tractors (thousands)										
US	178.5	271.8	191.7	236.9	233.8	232.0	213.2	226.3	197.3	222.4
USSR	238.5	354.5	458.5	499.6	531.1	550.4	562.2	569.1	576.1	557.0
Automobiles (millions)										
US	6.7	9.3	6.5	9.7	7.3	6.7	8.5	9.2	9.2	8.4
USSR	0.1	0.2	0.3	0.9	1.1	1.2	1.2	1.3	1.3	1.3
Trucks and buses (millions)										
US	1.2	1.8	1.7	3.0	2.7	2.3	3.0	3.4	3.7	3.0
USSR	0.5	0.4	0.6	0.7	0.7	0.8	0.8	0.8	0.8	0.9
Cement (million metric tons)										
US	56.1	65.1	67.4	77.6	73.4	61.8	68.2	71.3	76.2	75.3
USSR	45.5	72.4	95.2	109.5	115.1	122.1	124.2	127.1	127.0	123.0
Lumber (million cubic meters)										
US	77.7	84.2	81.5	91.2	82.6	75.7	86.1	89.4	88.9	87.2
USSR	105.6	111.0	116.4	116.2	114.7	116.2	112.6	109.5	106.3	100.0
Grain (million metric tons)										
US	181.3	183.5	186.7	237.6	204.5	248.7	257.4	262.3	273.1	293.7
USSR	125.6	121.1	186.8	222.5	195.7	140.1	223.8	195.7	237.2	179.0
Wheat (million metric tons)										
US	36.9	35.8	36.8	46.6	48.5	57.8	58.3	55.4	49.0	57.5
USSR	64.3	59.7	99.7	109.8	83.9	66.2	96.9	92.2	120.8	90.1
Coarse grain (million metric tons)										
US	141.9	144.2	146.1	186.8	150.9	185.1	193.9	202.4	218.0	229.9
USSR	61.1	60.8	85.8	111.0	109.9	71.9	124.9	101.3	114.3	86.5
Potatoes (million metric tons)										
US	11.7	13.1	14.8	13.6	15.5	14.6	16.2	16.1	16.6	15.8
USSR	84.4	88.7	96.8	108.2	81.0	88.7	85.1	83.6	86.1	90.3

Table 7 (Continued)

Commodity Production of the US and the USSR ¹

Commodity	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
Sugar (million metric tons)										
US	3.6	4.9	5.3	5.5	5.1	5.7	6.2	5.7	5.4	5.0
USSR	6.9	12.0	11.1	11.6	10.3	11.3	10.1	13.1	13.3	11.5
Meat (million metric tons)										
US	12.8	14.3	22.5	22.1	23.6	23.0	24.9	25.3	25.2	25.2
USSR	8.7	10.0	12.3	13.5	14.6	15.0	13.6	14.7	15.5	15.5
Milk (million metric tons)										
US	53.7	56.3	53.3	52.4	52.4	52.3	54.6	55.7	55.2	56.1
USSR	61.7	72.6	83.0	88.3	91.8	90.8	89.7	94.9	94.7	93.3
Wool (thousand metric tons)										
US	146	109	85	71	64	59	53	50	46	46
USSR	357	357	419	433	462	467	436	459	467	472
Ginned cotton (thousand metric tons)										
US	3,107	3,260	2,219	2,825	2,513	1,808	2,303	3,133	2,364	3,231
USSR	1,458	1,925	2,343	2,606	2,859	2,674	2,815	2,978	2,890	3,114

¹ For more detailed definitions, exceptions, and methodology refer to the commodity tables.

Table 8

Million Units

Telephones in Use ¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD ²										
United States	70.82	88.79	115.22	131.61	138.29	143.97	149.01	155.17	162.08	N.A.
Australia	2.12	2.67	3.60	4.40	4.66	5.00	5.27	5.50	5.84	N.A.
Canada	5.44	7.02	9.30	10.99	11.67	12.45	13.14	13.79	14.51	N.A.
Japan	4.86	12.25	23.13	34.02	38.70	41.90	45.51	48.43	50.63	N.A.
Spain	1.64	2.53	4.13	5.71	6.33	7.04	7.84	8.60	9.53	N.A.
Sweden	2.64	3.39	4.31	4.83	4.98	5.18	5.42	5.67	5.93	N.A.
European Community	24.8	34.6	50.1	64.5	70.2	75.3	79.7	85.5	91.6	N.A.
France	4.08	5.70	8.11	10.34	11.34	12.40	13.83	15.55	17.52	N.A.
Italy	3.52	5.53	8.53	11.35	12.61	13.69	14.50	15.24	16.12	N.A.
Netherlands	1.50	2.18	3.12	4.00	4.32	4.68	5.05	5.41	5.85	N.A.
United Kingdom	7.85	9.96	13.95	17.57	19.10	20.34	21.04	22.01	23.18	N.A.
West Germany	5.52	8.17	12.46	16.52	17.80	18.77	19.60	21.16	22.93	N.A.
Communist Countries										
USSR and Eastern Europe	8.28	12.0	18.6	23.3	25.5	27.4	29.1	31.4	33.4	N.A.
USSR	4.30	6.40	11.00	14.26	15.78	16.95	18.00	19.60	20.94	N.A.
Eastern Europe	3.98	5.60	7.65	9.08	9.72	10.4	11.1	11.8	12.5	N.A.
Bulgaria	0.17	0.28	0.47	0.64	0.72	0.78	0.85	0.95	1.06	N.A.
Czechoslovakia	1.02	1.49	2.00	2.35	2.48	2.61	2.74	2.86	2.98	N.A.
East Germany	1.29	1.66	2.09	2.33	2.45	2.61	2.75	2.86	2.97	N.A.
Hungary	0.42	0.57	0.78	0.92	0.96	0.99	1.02	1.06	1.08	N.A.
Poland	0.88	1.29	1.87	2.24	2.40	2.58	2.75	2.93	3.10	3.17
Romania ³	0.20	0.31	0.44	0.60	0.71	0.86	0.98	1.13	1.30	N.A.
Other										
Cuba	0.19	0.23	0.27	0.28	0.29	0.30	0.31	N.A.	N.A.	N.A.
Yugoslavia	0.26	0.42	0.74	1.00	1.14	1.30	1.43	1.56	1.73	N.A.

¹ Unless otherwise indicated, data are as of the end of the year and are for both private and public telephones in use that can be connected to a central exchange.

² Data are as of the beginning of the year.

³ Excluding extension telephones and those connected through a private branch switchboard.

Aid **Foreign Trade** **Soviet Economic Performance** **Aggregative Trends**

Table 9

Estimated Gross National Product at Market Prices ¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
World	4,680	6,060	7,750	9,090	9,330	9,430	9,880	10,300	10,700	11,100
Developed Countries	3,080	3,970	5,050	5,890	5,920	5,900	6,200	6,440	6,680	6,900
United States	1,219.2	1,531.9	1,779.4	2,043.5	2,015.0	1,989.3	2,106.4	2,218.0	2,315.1	2,368.8
Australia	51.6	65.9	87.8	100.6	103.4	105.8	109.8	111.0	113.7	119.1
Canada	89.7	119.0	149.2	181.6	188.0	190.1	200.9	206.3	213.3	219.3
Japan	223.2	358.8	633.3	812.5	804.5	823.8	873.2	920.4	971.9	1,030.2
Spain	66.5	101.1	137.4	169.3	178.3	179.6	183.3	187.7	193.6	196.5
Sweden	56.8	72.5	88.2	92.4	96.3	97.1	98.4	95.8	98.4	102.4
Switzerland	59.4	76.8	92.2	102.1	103.6	96.5	95.2	97.5	97.7	98.0
European Community	1,150	1,450	1,830	2,090	2,120	2,090	2,200	2,250	2,320	2,390
Belgium	51.2	65.8	82.5	96.8	101.3	99.3	104.9	106.3	108.9	112.2
France	232.1	308.4	408.3	480.3	495.7	496.7	521.0	535.6	553.3	569.9
Italy	142.3	184.0	246.6	276.2	287.8	278.0	293.9	298.9	306.6	318.9
Netherlands	68.9	88.1	113.7	129.7	134.2	132.9	139.9	143.8	147.3	152.1
United Kingdom	247.9	291.1	326.1	370.7	365.2	361.6	375.0	379.9	392.4	394.3
West Germany ²	363.6	466.9	586.7	658.7	662.0	648.3	684.7	703.8	728.5	759.8
Less Developed Countries	573	766	992	1,200	1,320	1,360	1,440	1,500	1,590	1,640
Communist Countries	1,030	1,320	1,700	2,000	2,090	2,180	2,240	2,340	2,470	2,520
USSR and Eastern Europe	794	1,020	1,290	1,490	1,550	1,600	1,660	1,720	1,790	1,800
USSR ³	588.9	773.4	988.7	1,141.7	1,191.4	1,226.9	1,272.8	1,312.1	1,366.3	1,374.8
Eastern Europe ⁴	205	247	297	345	361	376	392	406	419	426
Bulgaria	11.1	15.3	19.7	22.1	22.8	24.7	25.7	25.4	26.0	26.7
Czechoslovakia	45.7	50.5	59.7	66.2	68.4	70.5	71.6	75.0	76.0	76.6
East Germany	50.4	58.1	67.8	73.9	77.4	80.4	82.1	85.0	87.0	89.1
Hungary	19.9	23.7	27.5	30.9	31.7	32.3	32.3	34.3	35.3	35.7
Poland	53.0	64.3	78.3	96.6	102.4	107.3	111.6	114.8	119.2	119.1
Romania	24.7	34.7	44.1	55.4	58.4	61.0	68.8	71.3	75.5	78.9
Far East										
China	158.8	201.6	285.7	360.8	374.6	400.9	400.0	432.8	482.9	517.0
North Korea	3.8	6.0	7.9	10.8	12.1	13.0	12.6	12.6	13.5	14.1
Other										
Yugoslavia	22.0	29.6	38.0	44.8	48.4	50.2	52.3	56.4	60.2	64.4

¹ Data for the non-Communist countries were converted from national currencies by using the 1979 Par Rate/Market Rate factors.

² Including data for West Berlin.

³ See footnote 1 of Table 11 for an explanation of the data. Figures for 1965, 1975-77 are from I. Edwards, M. Hughes, J. Noren, "US and USSR: Comparisons of GNP," in US Congress, Joint Economic Committee, *The Soviet Economy in a Time of Change* (Washington, D.C., 1979). Data for other years were derived by moving 1976 Soviet GNP in dollars (geometric mean) through time by indexes of Soviet GNP in 1976 established ruble prices. This shortcut procedure gives results that are quite close to those obtained through the more complex procedures used for the benchmark years of the study—1955, 1965, 1975-77. A detailed discussion of estimating Soviet GNP in 1976 US dollars is available in the study cited above.

⁴ The dollar values of gross national product are not official figures. They are estimates based on Western concepts and procedures, which compare as closely as possible to values published by Western countries. Estimates of GNP in domestic prices were converted at US purchasing power equivalent and extended to 1979 by means of the US official deflator for GNP. For additional information, see T. P. Alton, "Comparative Structure and Growth of Economic Activity in Eastern Europe," in US Congress, Joint Economic Committee, *East European Economics Post-Helsinki: A Compendium of Papers* (Washington, D.C., 1977).

Table 10

Gross National Product Price Deflators

Index: 1970 = 100

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
United States	75.2	81.3	100.0	115.8	127.0	139.2	146.4	155.1	166.4	181.1
Canada	74.4	81.6	100.0	118.3	136.3	150.9	165.6	177.2	188.5	207.1
Japan	62.4	79.4	100.0	122.2	146.0	158.6	167.4	176.9	185.1	188.5
European Community ¹										
France	65.7	81.0	100.0	121.3	135.3	154.0	169.1	182.8	200.6	225.7
Italy	64.0	84.2	100.0	126.7	148.0	174.1	202.0	248.3	281.3	323.8
United Kingdom	66.1	78.6	100.0	127.0	144.1	184.2	211.6	239.7	256.0	289.3
West Germany	71.1	84.7	100.0	120.6	128.9	137.6	142.0	147.4	153.2	159.0

¹ Gross domestic product deflators.

Table 11

Gross National Product in Purchasing Power Equivalents and Exchange Rate Equivalents

	Purchasing Power Equivalents ¹	Purchasing Power Equivalents ²	Average 1979 Par Rate/Market Rate	Average 1978 Exchange Rate Conversions	Average 1973 Exchange Rate Conversions	February 1973 Exchange Rate Conversions	May 1972 Exchange Rate Conversions	April 1971 Exchange Rate Conversions
Gross National Product, 1979 (Billion 1979 US \$)								
OECD								
Belgium	N.A.	83.4	112.2	104.7	84.4	81.6	73.4	65.8
Denmark	N.A.	39.0	64.5	61.5	56.1	54.0	48.6	45.2
France	434.3	431.8	569.9	537.3	544.5	527.1	474.0	436.5
Italy	306.8	277.0	318.9	312.2	454.5	467.6	455.7	423.9
Japan	889.1	746.5 ¹	1,030.2	1,072.8	829.5	836.3	733.1	627.2
Netherlands	N.A.	90.8	152.1	141.0	109.2	104.5	94.0	84.3
Norway	N.A.	29.4	44.2	42.7	38.5	37.4	33.7	31.3
United Kingdom	377.7	355.2	394.3	356.7	455.7	462.8	484.3	446.0
West Germany	505.2	449.2	759.8	693.3	521.2	480.2	432.2	380.5
Gross National Product Per Capita, ¹ 1979 (United States = 100)								
OECD								
Belgium	N.A.	79	107	100	80	78	70	63
Denmark	N.A.	71	118	112	102	99	89	83
France	76	75	99	94	95	92	82	76
Italy	50	45	52	51	75	77	75	70
Japan	71	60	83	86	67	67	59	50
Netherlands	N.A.	60	101	94	73	70	63	56
Norway	N.A.	67	100	97	87	85	76	71
United Kingdom	63	59	66	59	76	77	81	74
West Germany	77	68	115	105	79	73	66	58

¹ For the individual OECD countries, the ratios for converting GNP in national currencies at 1979 prices into 1979 US dollars on the basis of purchasing power equivalents are derived from the 1970 ratios in *A System of International Comparisons of Gross Product and Purchasing Power*, published for the World Bank by The Johns Hopkins University Press, Baltimore and London, 1975, p. 9, using the geometric mean of foreign and US weighted ratios. These 1970 GDP parities were moved to 1979 by applying the following factor: the derived price index for each OECD country for 1970-79 divided by a derived price index for the United States for 1970-79. These price indexes were derived for each country by dividing the growth of GNP in current prices by the growth of GNP in constant prices. The ratios thus obtained were applied to the GNP values, given in the national currencies in 1979 prices.

² For the individual European OECD countries, the ratios for converting GNP in national currencies at 1979 prices into 1979 US dollars on the basis of US purchasing power equivalents are derived from the 1950 ratios in Milton Gilbert and Associates, *Comparative National Products and Price Levels*, OEEC, Paris, 1958, using the geometric mean of European and US weighted ratios. These 1950 ratios were moved to 1979 by applying the following factor: the derived price index for each European country for 1950-79 divided by a derived price index for the United States for 1950-79. The ratios thus obtained were applied to the GNP values, given in the national currencies in 1979 prices.

³ Converted at US purchasing power equivalents in approximately the same manner as the data for the European countries.

⁴ Based on 1979 prices.

Gross National Product, by End Use, in the US and the USSR, 1978

	Billion 1976 US \$ ¹		USSR as a Percent of US
	US	USSR	
GNP ²	1,871.5	1,097.8 ²	59
of which:			
Consumption	1,316.6	547.5	42
New fixed investment	325.4	327.7	101

¹ US data in market prices. Total Soviet GNP and the various end uses were converted to dollars not by the official rate of exchange but by the average purchasing power ratio of the dollar and the ruble calculated from actual or estimated prices paid for various goods and services in the two economies. For GNP as a whole and for each end-use component of GNP, these average ratios (ruble-dollar ratios) were estimated by weighting individual price ratios by both US and Soviet expenditure weights. The geometric mean of the US-weighted and Soviet-weighted ratios was then used for the conversion of Soviet values into dollars. The above GNP data should not, therefore, be used in conjunction with Soviet foreign trade data appearing in Tables 58-60. These latter tables use official foreign exchange rates to derive dollar values for trade; we have yet to estimate the value of Soviet foreign trade in terms of actual purchasing power, which would allow for an estimate of the share of foreign trade in Soviet national income.

The magnitudes for the Soviet end-use components were calculated to measure quantity of output compared with the United States but not the cost in resources. The share of total economic resources devoted to a particular end use or the share of total output originating in an individual sector (for example, agriculture

or industry) in the USSR should be measured in internal ruble prices and costs.

The identified end uses of GNP are defined as follows:

(1) Consumption comprises personal expenditures for goods and services for all purposes and noninvestment outlays by government for goods and services for health and education.

(2) New fixed investment is defined as the sum of expenditures for gross private domestic investment net of inventories; for public construction other than that for military facilities; and for equipment purchased by the government except that for defense. Since part of new fixed investment in the United States is capital repair, one-half of Soviet expenditures on capital repair is included in Soviet new fixed investment.

Other uses of GNP include defense, space, research and development, inventory change, administration, net exports, and a statistical discrepancy. The total value for these expenditures cannot be derived for the USSR by subtraction, however.

² The sum of the end-use components of Soviet GNP, valued in dollars, does not equal the dollar value of aggregate GNP, because of the use of average ruble-dollar ratios in converting from ruble values to dollar values.

Table 13

Real Gross National Product Growth

	Average Annual Rate of Growth								
	1961-65	1966-70	1971-73	1974	1975	1976	1977	1978	1979
OECD									
United States	4.7	3.0	4.7	-1.4	-1.4	5.9	5.3	4.4	2.3
Australia	5.0	5.9	4.6	2.8	2.3	3.8	1.1	2.4	4.8
Canada	5.8	4.6	6.8	3.5	1.1	5.7	2.7	3.4	2.8
Japan	10.0	12.0	8.7	-1.0	2.4	6.0	5.4	5.6	6.0
Spain	8.7	6.4	7.2	5.3	0.7	2.1	2.4	3.1	1.5
Sweden	5.0	4.0	1.6	4.2	0.8	1.3	-2.7	2.8	4.0
Switzerland	5.3	3.7	3.5	1.5	-7.3	-1.4	2.4	0.2	0.3
European Community	4.8	4.7	4.5	1.6	-1.4	5.1	2.3	3.1	3.1
Belgium	5.1	4.7	1.5	4.7	-2.1	5.7	1.3	2.5	3.0
France	5.8	5.8	5.6	3.2	0.2	4.9	2.8	3.3	3.0
Italy	5.3	6.0	3.9	4.2	-3.5	5.7	1.7	2.6	4.0
Netherlands	5.0	5.2	4.5	3.5	-1.0	5.3	2.8	2.4	3.3
United Kingdom	3.3	2.3	4.4	-1.5	-1.0	3.7	1.3	3.3	0.5
West Germany ¹	5.1	4.7	3.9	0.5	-2.1	5.6	2.8	3.5	4.3
Communist Countries									
USSR and Eastern Europe									
USSR ²	5.1	5.3	7.0	4.0	1.9	4.6	3.6	3.5	0.7
Eastern Europe	3.8	3.7	5.1	4.7	4.1	4.2	3.4	3.3	1.8
Bulgaria	6.3	4.8	3.9	3.0	8.3	4.0	-1.2	2.8	2.6
Czechoslovakia	2.0	3.5	3.5	3.6	2.9	1.5	4.7	1.4	0.7
East Germany	2.9	3.2	2.9	4.8	3.8	2.2	3.4	2.5	2.3
Hungary	4.2	3.1	3.9	2.6	2.2	-0.1	6.1	2.8	1.3
Poland	4.1	3.8	7.2	5.9	4.7	4.1	2.8	3.9	-0.1
Romania	5.0	4.6	7.8	5.6	4.4	12.9	3.5	5.9	4.5
Far East									
China	4.9	7.2	8.1	3.9	6.9	Negl.	8.3	11.5	7.0
North Korea	9.8	5.7	11.0	12.0	7.5	-3.0	Negl.	7.2	3.8
Other									
Yugoslavia	6.1	5.2	5.6	8.1	3.8	4.0	7.7	6.8	7.0

¹ Including data for West Berlin.² At factor cost.

Table 14

Real Gross National Product Per Capita Growth

	Average Annual Rate of Growth								
	1961-65	1966-70	1971-73	1974	1975	1976	1977	1978	1979
OECD									
United States	3.2	1.9	3.8	-2.1	-2.1	5.1	4.5	3.5	1.5
Australia	2.9	4.0	2.8	1.3	0.8	2.2	0.4	1.7	3.3
Canada	3.8	3.0	5.5	2.1	-0.2	4.3	1.4	2.5	1.9
Japan	8.9	10.9	7.2	-2.3	1.1	4.9	4.4	4.7	5.1
Sweden	4.5	3.2	1.1	2.9	0.8	1.3	-3.8	2.7	4.1
Switzerland	3.1	3.0	2.9	1.5	-6.9	0.2	2.4	0.2	0.3
European Community	3.9	4.1	3.8	1.2	-1.7	5.0	2.1	3.0	3.0
Belgium	4.5	4.2	5.5	3.6	-2.0	5.6	1.3	2.4	3.0
France	4.5	4.9	4.6	2.6	-0.2	4.5	2.4	2.9	2.6
Italy	4.6	5.3	3.1	3.3	-4.1	5.0	1.3	2.0	4.0
Netherlands	3.6	4.1	3.4	2.7	-2.4	4.5	2.0	2.4	2.5
United Kingdom	2.6	1.9	4.1	-1.5	-1.0	3.7	1.5	3.3	0.5
West Germany	4.0	3.9	3.2	0.5	-1.8	6.1	3.0	3.7	4.3
Communist Countries									
USSR and Eastern Europe									
USSR	3.6	4.2	3.4	3.0	0.9	3.7	2.7	2.6	-0.1
Eastern Europe	3.2	3.1	4.0	4.0	3.5	3.4	2.4	3.2	0.9
Bulgaria	5.5	4.1	3.5	2.3	7.8	3.5	-1.7	2.7	2.6
Czechoslovakia	1.3	3.2	2.6	2.7	2.1	1.6	3.9	0.8	Negl.
East Germany	3.1	3.2	3.5	5.2	4.2	2.6	3.5	2.6	2.4
Hungary	3.9	2.7	4.9	2.1	1.6	-0.6	5.6	2.5	-1.3
Poland	2.8	3.0	6.4	4.9	3.8	3.1	1.8	3.2	-0.7
Romania	4.4	3.2	2.4	4.6	3.4	11.2	2.5	4.9	3.6
Far East									
China	3.3	4.2	5.5	1.5	5.0	-1.7	6.3	9.8	5.6
North Korea	6.8	2.5	8.5	7.8	4.1	-6.0	-3.3	4.8	0.5
Other									
Yugoslavia	4.9	4.2	3.9	7.1	2.8	3.0	6.7	5.8	6.6

Table 15

Selected Economic Indicators Growth¹

	Average Annual Rate of Growth							
	1961-70	1971-73	1974	1975	1976	1977	1978	1979
Industrial production								
United States	5.1	6.4	-0.4	-8.8	10.8	5.9	5.8	4.1
Canada	6.0	7.4	4.0	-4.7	5.6	4.0	5.3	5.5
Japan	13.6	7.9	-3.9	-9.8	11.0	3.2	6.1	8.4
France	5.8	6.5	2.5	-9.1	7.2	1.5	2.1	4.0
Italy	7.0	4.6	3.5	-9.2	12.5	-1.0	1.9	6.5
United Kingdom	2.8	3.5	-1.9	-5.5	2.9	0	0.2	0.5
West Germany	5.8	4.1	-1.8	-6.2	8.8	2.9	1.9	5.0
Consumer prices								
United States	2.8	4.6	10.9	9.2	5.8	6.5	7.7	11.3
Canada	2.6	5.1	10.9	10.8	7.5	8.0	8.9	9.1
Japan	5.8	7.4	24.4	11.9	9.3	8.0	3.8	3.6
France	4.1	6.3	13.7	11.7	9.6	9.5	9.3	10.6
Italy	3.9	7.1	19.1	17.0	16.8	19.4	12.4	15.7
United Kingdom	4.1	8.6	16.0	24.2	16.5	15.8	8.3	13.4
West Germany	2.6	5.9	7.0	5.9	4.3	3.7	2.7	4.1
Export prices (unit values, US dollar basis)								
United States	2.0	7.5	27.0	11.8	3.6	4.3	7.0	16.0
Canada	1.4	7.3	35.5	6.5	5.6	-1.4	1.2	17.8
Japan	-0.4	12.3	27.4	0	-1.3	10.1	23.1	4.6
France	1.3	13.6	16.8	18.3	-2.1	7.0	14.6	16.1
Italy	0.5	10.8	27.3	12.8	-5.6	13.1	11.3	20.2
United Kingdom	N.A.	8.6	23.2	16.1	-1.9	14.9	19.5	22.6
West Germany	2.6	13.5	18.5	13.0	1.6	10.1	14.8	13.5
Import prices (unit values, US dollar basis)								
United States	1.5	10.0	50.4	8.0	3.2	8.0	8.7	17.3
Canada	1.4	5.5	26.1	11.5	3.2	3.3	6.3	11.3
Japan	0.6	12.0	71.1	5.4	2.9	6.7	5.4	23.5
France	0.6	11.8	36.0	10.2	-0.9	8.9	10.1	16.8
Italy	1.1	14.3	55.4	5.8	-1.9	10.5	8.7	21.1
United Kingdom	N.A.	12.9	47.9	7.4	1.0	12.7	13.0	21.6
West Germany	1.5	12.0	29.2	5.3	2.9	9.4	11.4	18.9

Productivity in manufacturing (output per hour)										
United States	2.8	4.2	-5.0	5.1	4.4	3.0	0.5	1.6		
Canada	4.3	5.6	1.6	-2.6	5.0	5.5	4.7	0.8		
Japan	10.8	7.3	0.3	-3.9	8.1	4.6	7.9	8.3		
France	5.8	5.5	2.9	2.8	8.6	5.0	5.0	5.4		
Italy	7.1	7.6	5.3	-4.3	8.5	1.1	3.0	8.7		
United Kingdom	3.6	5.3	-0.3	-2.2	3.1	-0.5	1.2	2.2		
West Germany	5.5	5.6	6.1	4.3	5.9	5.4	3.4	5.2		
Unit labor costs in manufacturing (in US dollars)										
United States	1.8	1.9	16.2	6.5	3.8	-5.3	7.7	7.5		
Canada	0.4	4.2	15.8	13.3	12.1	-1.7	-4.5	5.8		
Japan	3.2	19.9	21.6	20.0	0.2	14.5	25.1	-6.0		
France	1.7	14.8	-7.9	30.7	-5.4	6.1	17.2	14.0		
Italy	4.5	13.1	5.9	34.2	-13.3	10.5	15.7	13.3		
United Kingdom	2.1	7.6	18.1	28.0	-7.7	8.0	25.6	24.4		
West Germany	5.1	19.0	11.6	13.7	-1.2	12.8	20.4	10.8		

¹ Growth rates were derived from unrounded data.

Table 16

Economic Indicators for Selected Non-OPEC
Less Developed Countries

	1973	1974	1975	1976	1977	1978	1979
Industrial Production							
India	1.6	2.0	4.7	9.8	5.2	6.9	1.3
Mexico	9.7	8.1	4.8	2.7	3.6	10.1	9.8
Nigeria	15.8	5.8	-6.0	19.2	4.8	2.0	18.6
South Korea	33.5	27.5	18.9	29.7	19.9	22.9	11.7
Taiwan	20.5	-1.4	5.4	24.8	12.1	25.2	8.6
Consumer Price Inflation							
Brazil	12.6	27.6	29.0	41.8	43.7	38.7	64.3
India	16.9	28.6	5.7	-7.6	8.3	2.5	6.2
Mexico	12.1	23.8	15.0	15.8	29.0	17.5	17.8
Nigeria	6.1	12.7	33.5	23.9	15.4	16.6	13.0
South Korea	3.2	23.7	25.2	15.3	10.1	14.5	18.3
Taiwan	13.1	43.6	6.7	2.5	7.0	5.8	9.8
Wholesale Price Inflation							
Brazil	15.3	29.0	27.8	40.4	40.6	38.9	55.9
India	16.5	28.4	3.9	-1.9	7.3	-0.1	13.2
Mexico	15.7	22.9	10.2	22.3	41.2	15.8	16.0
South Korea	6.9	42.1	26.1	12.1	9.1	11.7	18.8
Taiwan	22.9	34.0	-5.1	2.8	2.4	3.5	13.8
Money Supply							
Brazil	41.8	37.1	33.6	37.7	38.4	25.1	73.5
India	16.5	14.3	8.1	15.5	18.1	20.1	13.0
Mexico	25.0	20.7	22.3	22.9	27.7	31.7	35.8
Nigeria	17.7	40.5	73.0	61.0	46.0	-40.0	40.0
South Korea	51.4	26.3	26.1	30.8	39.0	28.2	20.7
Taiwan	41.2	19.1	21.2	18.5	24.7	34.1	7.0

Table 17

Million US \$

Current Account Balance ¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979 ²
OECD										
United States	N.A.	N.A.	12,100	19,400	-14,400	14,300	-4,870	-8,700	32,000	-23,300
Canada	4,817	7,706	4,670	9,940	8,530	22,290	8,940	-9,920	-8,900	4,920
Japan	-1,219	-916	996	2	-1,628	-4,695	-3,983	-4,135	-4,429	-4,456
European Community	223	1,025	2,180	90	-4,520	-420	3,960	11,220	18,000	-7,440
Belgium ³	2,870	2,420	5,620	6,970	-4,570	8,650	551	10,100	28,600	-7,520
Denmark	160	212	1,016	1,532	1,304	1,216	315	-261	-421	-3,357
France	-62	-175	-510	-717	-1,166	-600	-2,177	-2,119	-1,992	-3,331
Ireland	719 ⁴	581 ⁴	289	61	-4,722	1,096	-4,834	-1,561	5,248	3,249
Italy	-9	-124	-197	-322	-854	-259	-473	-722	-995	-2,200
Netherlands	371	2,353	1,424	-900	-6,838	710	-1,591	4,185	9,231	3,600
United Kingdom	372	46	-420	2,292	2,269	2,352	2,784	1,071	-655	-2,156
West Germany	-460	357	2,323	-1,726	-7,230	-3,057	-663	1,686	5,099	-630
Non-OPEC Less Developed Countries	1,779	-825	1,690	6,750	12,670	7,190	7,190	7,800	13,080	-2,700
Brazil	N.A.	N.A.	-8,520	-8,860	-26,800	-35,900	-25,700	-21,200	-31,300	-41,700
Mexico	-534	248	-861	-2,196	-7,553	-6,990	-6,560	-5,120	-7,037	-10,483
South Korea	-326	-403	-1,075	-1,423	-2,897	-4,068	-3,435	-1,870	-2,887	-4,565
Taiwan	243	-125	-706	-341	-2,094	-1,958	-470	-19	-1,123	-4,270
OPEC ⁵	-125	-80	5	605	-1,112	-587	313	931	1,677	103
Iran	N.A.	N.A.	588	6,980	67,100	36,800	38,000	31,200	12,400	68,600
Saudi Arabia	-125	-104	-511	156	12,299	6,332	4,734	5,091	2,800	11,700
Venezuela	190	89	152	2,702	24,022	17,059	17,127	16,679	4,800	19,800
	394	36	-98	867	5,874	2,173	487	-3,050	-5,330	-600

¹ Including goods, services, and private transfers.² Preliminary.³ Including Luxembourg.⁴ Excluding overseas departments and territories.⁵ Data prior to 1975 are from the **International Financial Statistics**.

International Reserves ¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States	19,359	15,450	14,487	14,378	16,057	15,882	18,319	19,393	19,582	19,956
Australia	743	1,317	1,693	5,698	4,269	3,257	3,169	2,383	2,418	1,790
Austria	714	1,305	1,751	2,875	3,429	4,439	4,409	4,243	6,007	5,048
Canada	1,998	3,037	4,679	5,769	5,825	5,325	5,843	4,607	4,569	3,887
Japan	1,949	2,152	4,840	12,247	13,519	12,815	16,605	23,260	33,500	20,639
Portugal	635	938	1,504	2,839	2,353	1,534	1,301	1,391	1,881	1,954
Spain	541	1,422	1,817	6,772	6,485	6,090	5,284	6,590	10,774	13,898
Switzerland	2,324	3,444	5,132	8,520	9,011	10,428	12,993	13,829	21,560	20,275
European Community										
Belgium	1,507	2,334	2,847	5,099	5,344	5,797	5,206	5,761	5,908	6,991
France	2,272	6,343	4,960	8,529	8,851	12,593	9,728	10,194	13,929	21,357
Italy	3,251	4,800	5,352	6,436	6,941	4,774	6,654	11,630	14,899	21,239
Netherlands	1,861	2,413	3,241	6,546	6,958	7,109	7,386	8,066	7,586	9,619
United Kingdom	3,719	3,004	2,827	6,476	6,938	5,459	4,230	21,057	17,067	20,694
West Germany	7,033	7,430	13,610	33,172	32,398	31,034	34,801	39,737	53,883	56,940
Latin America										
Brazil	345	484	1,187	6,415	5,272	4,034	6,541	7,255	11,900	9,046
Venezuela	609	819	1,021	2,413	6,512	8,860	8,579	8,214	6,554	7,813
Middle East										
Iran	183	251	208	1,237	8,384	8,896	8,833	12,266	12,151	15,389
Iraq	258	234	462	1,553	3,273	2,728	4,601	6,996	N.A.	N.A.
Saudi Arabia	185	726	662	3,878	14,284	23,320	27,025	30,034	19,408	19,485
Africa										
Libya	82	246	1,590	2,127	3,616	2,195	3,205	4,890	4,217	6,458
Nigeria	343	239	222	584	5,627	5,610	5,203	4,259	1,916	5,576
Communist Countries										
USSR	2,800	1,500	2,800	8,000	12,200	11,100	11,800	12,400	15,400	35,400 ²
Yugoslavia	13	103	140	1,338	1,147	871	2,049	2,109	2,462	1,336

¹ Including gold (valued at 35 SDRs per ounce) and foreign exchange. Data for the non-Communist countries also include special drawing rights and the reserve position in the International Monetary Fund. Data before 1972 are expressed in terms of US dollars at the official par values and, in 1973-79, reflect the realignments of the exchange rates and the revaluations of the dollar price of gold. Gold is valued at 35 SDR per ounce.

² Assumes gold valued at \$560 per ounce.

Index of Industrial Production for Communist Countries

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979 ¹
USSR and Eastern Europe ²										
USSR										
Official	44	67	100	124	133	143	150	159	166	172
Adjusted	53	73	100	119	126	134	140	145	151	154
Eastern Europe ³										
Adjusted	58	76	100	116	123	131	137	143	149	153
Bulgaria										
Official	34	60	100	130	140	155	164	175	187	199
Adjusted	34	66	100	116	124	132	138	141	146	152
Czechoslovakia										
Official	55	72	100	122	129	138	146	154	162	168
Adjusted	64	81	100	111	115	121	124	129	133	135
East Germany										
Official	55	73	100	120	128	137	145	153	158	164
Adjusted	65	83	100	107	113	118	123	125	129	132
Hungary										
Official	52	74	100	120	130	136	142	152	159	163
Adjusted	56	84	100	107	109	114	118	121	126	129
Poland										
Official	45	67	100	133	148	164	179	192	200	206
Adjusted	51	74	100	124	133	144	150	157	163	164
Romania										
Official	30	51	100	143	164	184	205	231	252	272
Adjusted	35	58	100	130	145	155	169	183	196	208
Far East										
North Korea ⁴										
Official	30	58	100	162	190	228	247	275	322	370

¹ Preliminary.

² The official indexes purportedly measure changes in the gross value of industrial production. In general, the gross value of production equals the sum of the value of output of all industrial enterprises. As a result, since both intermediate and final goods are included in the value of output of each enterprise, industrial products are double-counted. If, as the evidence suggests, intermediate product (for example rolled metal) increases relative to final product (for example machine tools) inflation of output from increased double-counting takes place. In addition to inflation in the official indicator from this source, disguised inflation also enters the index through new-product pricing, where minor product improvements result in a new-product price that is substantially

higher than can be justified by either improved quality or increased production costs. Because output of these "new" products grows from a small base, their rates of growth will proceed at a higher rate than those of "old" products.

Adjusted indexes of industrial production—parallel to those used by the Federal Reserve Board for measuring US industrial output—are constructed in order to circumvent most of these distortions, that is, price-weighted samples of several final products form output indexes for various industrial components and these component indexes are combined into an aggregate index for industry by use of value-added weights.

³ An official index is not published.

⁴ An adjusted index is not available.

Index of Industrial Production for Selected Countries ¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979 ²
OECD										
United States	61	83	100	120	120	109	121	128	136	141
Canada	56	78	100	122	127	121	128	132	139	145
Japan	28	49	100	127	122	110	122	128	135	146
European Community										
France	57	73	100	120	123	112	122	123	127	132
Italy	51	71	100	115	119	108	121	121	123	131
United Kingdom	76	88	100	111	109	103	106	111	114	118
West Germany	57	75	100	113	111	105	112	116	119	125
Communist Countries										
USSR and Eastern Europe										
USSR ³	53	73	100	119	126	134	140	145	151	154
Eastern Europe	58	76	100	116	123	131	137	143	149	153
Bulgaria	34	66	100	116	124	132	138	141	146	152
Czechoslovakia	64	81	100	111	115	121	124	129	133	135
East Germany	65	83	100	107	113	118	123	125	129	132
Hungary	56	84	100	107	109	114	118	121	126	129
Poland	51	74	100	124	133	144	150	157	163	164
Romania	35	58	100	130	145	155	169	183	196	208
Far East										
China ⁴	57	63	100	138	144	159	159	181	206	223
Other										
Yugoslavia	46	77	100	126	139	147	153	167	182	196

¹ Indexes for the non-Communist countries are value-added weighted indexes of intermediate and final products of industry. Industry includes manufacturing, mining, and, in most countries, public utilities. The indexes for the Communist countries are estimates of CIA (see Table 19 for detailed explanation)—constructed as nearly as possible on the same basis as the indexes for Western countries—or other calculations accepted by CIA. The indexes for the Communist countries include manufacturing, mining, and public utilities.

² Preliminary.

³ Index of gross values of output for individual commodities and branches are aggregated by 1970 value-added weights. The three

sectors covered—materials, machinery, and nondurable consumer goods—constitute 48.21 percent, 32.88 percent, and 18.91 percent, respectively, of the value-added weights for industrial production. This index is as comparable as data will permit with the index of US industrial production of the US Federal Reserve Board.

⁴ CIA estimates were computed by applying value-added weights to data for commodity production. The data are fragmentary and uncertain; therefore, the index should be regarded as providing only a tentative indication of the general level and trend in production.

Table 21

1970 = 100

Agricultural Production Index

	1965	1970	1973	1974	1975	1976	1977	1978	1979
Developed Countries	92	100	110	111	112	114	117	122	122
United States ¹	97	100	111	105	113	116	120	120	128
Canada	107	100	109	102	113	123	126	131	123
European Community									
France	95	100	111	113	108	107	109	117	118
Italy	89	100	102	106	105	103	104	110	111
United Kingdom	92	100	105	111	105	101	113	115	115
West Germany	85	100	101	105	102	101	105	109	110
Oceania	85	100	109	103	112	118	115	128	123
Less Developed Countries	85	100	106	109	114	117	119	124	126
Africa	88	100	100	105	106	109	107	110	112
Far East	81	100	107	104	113	113	120	124	122
Latin America	88	100	105	112	114	117	123	127	132
Middle East	85	100	105	115	120	126	124	129	129
Communist Countries									
USSR and Eastern Europe									
USSR ²	83	100	108	107	98	106	111	115	108
Eastern Europe ³	90	100	117	120	122	124	128	132	133
Bulgaria	90	100	106	105	108	114	108	114	122
Czechoslovakia	82	100	106	113	116	114	123	125	122
East Germany	91	100	110	116	119	118	122	122	123
Hungary	88	100	127	132	129	127	148	150	149
Poland	92	100	117	121	119	117	120	127	127
Romania	93	100	134	130	137	157	156	158	164
Far East									
China ⁴	80	100	113	116	118	118	114	124	133
North Korea ⁵	90	100	107	140	154	160	170	170	N.A.
Other									
Yugoslavia	86	100	115	124	116	127	134	130	137

¹ Excluding production of seeds and of feed for horses and mules.² Data differs from earlier versions because (a) the methodology used to estimate the annual waste and losses in handling the grain crop has been revised; (b) the techniques used to estimate quantities of grain, vegetables, and potatoes fed to livestock have been improved; and (c) the base year prices for grain and vegetables fed to livestock have been modified. Estimates based on the value of crop production plus the value of livestock products, with allowance for changes in livestock numbers, but minus feed (including grain imported for feed), seed, and waste. The weights used to aggregate

estimated agricultural output are the average prices realized by all producers for products sold in 1970.

³ Estimates based on the value of crop production plus the value of livestock products, with allowance for changes in livestock numbers, but minus feed (including grain imported for feed), seed, and waste. FAO, East European, and Soviet wheat price relatives for 1961-65 were used to compute the indexes.⁴ Based on estimates of grain and cotton production.⁵ Based on official grain claims.

Table 22

Defense Expenditures as a Share of Gross National Product

	1965	1970	1971	1972	1973	1974	1975	1976	1977	1978
OECD ¹										
Australia	4.4	3.4	3.1	2.9	2.4	2.2	2.6	2.7	2.6	2.6
Austria	1.2	1.1	1.0	1.0	1.0	1.0	1.2	1.1	1.1	1.3
Belgium	3.1	2.9	2.8	2.8	2.7	2.7	3.0	3.2	3.1	3.2
Canada	3.0	2.4	2.3	2.1	2.0	2.0	1.9	1.9	2.0	2.0
Denmark	2.8	2.4	2.5	2.3	2.1	2.4	2.6	2.5	2.3	2.4
Finland	1.7	1.5	1.6	1.6	1.6	1.5	1.7	1.6	1.4	1.5
France	5.2	4.2	4.0	3.9	3.8	3.7	3.9	3.8	3.9	3.9
Greece	3.5	4.7	4.6	4.4	4.0	4.1	6.3	5.3	4.5	4.7
Ireland	1.4	1.1	1.2	1.2	1.3	1.4	1.6	1.7	1.6	1.6
Italy	3.3	2.7	2.9	3.1	2.9	2.8	2.7	2.6	2.6	2.7
Japan	1.0	0.8	0.9	0.9	0.9	0.9	1.0	0.9	0.9	0.9
Luxembourg	1.4	0.8	0.8	0.9	0.8	0.8	1.0	1.1	0.9	0.9
Netherlands	4.0	3.5	3.4	3.4	3.2	3.3	3.5	3.3	3.5	3.3
New Zealand	2.1	2.0	1.9	1.7	1.6	1.8	1.8	1.7	1.8	1.9
Norway	3.8	3.7	3.4	3.3	3.2	3.1	3.3	3.2	3.2	3.3
Portugal	6.0	6.5	6.7	6.3	5.4	6.8	4.9	3.7	3.4	3.3
Spain	2.7	3.1	3.0	3.0	2.7	2.7	2.9	2.8	1.8	1.8
Sweden	3.9	3.6	3.7	3.7	3.6	3.5	3.4	3.3	3.4	3.4
Switzerland	2.6	2.1	2.1	2.0	1.9	1.9	1.9	2.1	2.0	2.0
Turkey	5.0	4.2	4.4	4.1	3.9	3.7	4.4	5.5	5.3	4.8
United Kingdom	5.9	4.8	4.9	5.1	4.8	5.0	5.0	5.0	4.9	4.8
United States ²	7.8	8.0	6.9	6.2	5.7	5.4	5.4	5.2	5.0	4.7
West Germany ³	4.3	3.3	3.4	3.5	3.5	3.6	3.6	3.5	3.4	3.3
Less Developed Countries	N.A.	6.1	6.2	6.2	6.1	5.8	6.3	6.2	5.7	5.5
OPEC	N.A.	4.9	5.6	6.3	6.5	6.4	8.0	8.3	7.8	7.9
Iran	N.A.	7.8	8.4	8.5	8.3	11.8	14.4	13.2	11.6	14.2
Nigeria	N.A.	5.9	4.3	5.2	5.0	3.8	4.4	3.8	4.9	4.2
Saudi Arabia	N.A.	6.1	11.6	14.7	16.4	9.3	14.8	18.9	16.0	16.1

¹ Except for the United States, data are from the United States Arms Control and Disarmament Agency, based on the ratio of military expenditures to GNP at current market prices. Military expenditures are for current and capital expenditures to meet the needs of the armed forces, including expenditures of national defense agencies for military programs; expenditures for the military components of such mixed activities as atomic energy, space,

and research and development; military assistance to foreign countries; and expenditures on paramilitary forces where they contribute substantially to a country's military capabilities.

² Based on the ratio of military expenditures to GNP in constant 1976 prices.

³ Including data for West Berlin.

Table 23

Million US \$

Eastern Europe: Gross and Net Hard Currency Debt to the West

	1971	1972	1973	1974	1975	1976	1977	1978	1979
Total									
Gross	6,072	7,398	9,762	15,352	23,033	29,351	36,695	46,901	54,730
Net	4,927	5,723	7,950	12,732	18,657	25,297	32,860	42,267	49,260
Bulgaria									
Gross	743	1,009	1,020	1,703	2,640	3,198	3,707	4,263	4,500
Net	723	909	997	1,360	2,257	2,756	3,169	3,710	3,730
Czechoslovakia									
Gross	485	630	757	1,048	1,132	1,862	2,616	3,206	4,020
Net	160	176	273	640	827	1,434	2,121	2,513	3,070
East Germany									
Gross	1,408	1,554	2,136	3,136	5,188	5,856	7,145	8,894	10,140
Net	1,205	1,229	1,876	2,592	3,548	5,047	6,159	7,548	8,440
Hungary									
Gross	1,071	1,392	1,442	2,129	3,135	4,049	5,655	7,473	8,020
Net	848	1,055	1,096	1,537	2,195	2,852	4,491	6,532	7,320
Poland									
Gross	1,138	1,564	2,796	4,643	8,014	11,483	13,967	17,844	21,100
Net	764	1,150	2,213	4,120	7,381	10,680	13,532	16,972	20,000
Romania									
Gross	1,227	1,249	1,611	2,693	2,924	2,903	3,605	5,221	6,950
Net	1,227	1,204	1,495	2,483	2,449	2,528	3,388	4,992	6,700

Table 24

Metal Prices

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
Aluminum ¹ US cents per pound	27.23	24.50	28.72	25.33	34.06	39.79	44.34	51.34	53.90	60.09
Copper ² US cents per pound	30.74	58.51	64.17	80.81	93.07	55.85	63.62	59.33	61.90	89.82
Lead ³ US cents per pound	9.02	14.39	13.78	19.47	26.81	18.66	20.38	27.90	29.90	54.32
Nickel ⁴ US cents per pound	74.00	78.70	129.00	153.00	173.50	205.83	225.58	230.08	204.58	273.41
Tin ⁵ US cents per pound	99.60	179.40	166.70	218.40	371.30	310.20	345.87	489.20	581.10	698.80
Zinc ⁶ US cents per pound	11.09	14.11	13.40	38.47	56.01	33.68	32.15	26.70	26.90	33.40
Silver ⁷ US \$ per troy ounce	0.91	1.29	1.77	2.56	4.71	4.42	4.35	4.62	5.40	11.09
Gold ⁸ US \$ per troy ounce	35.28	35.13	35.98	100.01	161.58	160.47	124.03	148.79	197.14	306.67
Iron Ore ⁹ US \$ per metric ton	17	16	15	17	19	23	22	22	19	24
Manganese ⁹ US \$ per metric ton	87	75	54	75	112	138	145	148	142	137
Finished steel composite ⁹ US cents per pound	6.20	6.37	7.65	9.38	11.14	13.10	14.21	15.58	17.96	19.98

¹ Virgin unalloyed ingot at New York.² London Metal Exchange electrolytic wirebars.³ London Metal Exchange refined pig lead, minimum 99.97 percent.⁴ US major producer of cathodes, spot, f.o.b. refinery.⁵ London Metal Exchange.⁶ US price (New York).⁷ Brazil (North Sea ports).⁸ India (US ports).⁹ Weighted index of steel shapes.

Table 25

US \$ per Metric Ton

Agricultural Prices

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
Coffee ¹	807	965	1,230	1,526	1,617	1,821	3,295	5,890	3,643	3,935
Corn ²	50	56	58	98	132	119	112	95	101	116
Cotton ³	692	670	653	1,237	1,276	994	1,499	1,358	1,270	1,369
Palm oil ⁴	228	273	260	378	669	429	407	580	600	654
Rice ⁵	179	183	190	397	556	419	309	333	399	381
Soybeans ⁶	92	117	117	291	277	220	231	279	268	297
Soybean meal ⁷	78	94	103	302	184	155	198	229	214	243
Soybean oil ⁸	224	270	291	436	832	563	414	574	607	663
Sugar ⁹	69	47	83	212	661	452	255	177	172	213
Tea ¹⁰	1,422	1,280	1,092	1,060	1,397	1,375	1,540	2,641	2,187	2,158
Wheat ¹¹	58	60	55	140	180	149	133	103	128	160
Beef ¹²	N.A.	882	1,304	2,011	1,582	1,327	1,588	1,508	2,140	2,888
Rubber, natural ¹³	842	567	465	776	877	659	873	917	1,102	1,415
Cocoa ¹⁴	N.A.	355	655	1,111	1,638	1,239	2,079	3,792	3,362	3,181

¹ From Santos, No. 4, New York spot.² US No. 2 yellow, f.o.b. Gulf ports.³ US, domestic middling 1 inch, 12 markets.⁴ United Kingdom 5 percent bulk, c.i.f.⁵ US No. 2, milled, f.o.b., New Orleans.⁶ US No. 2, bulk, c.i.f., Rotterdam.⁷ US, 44 percent extraction, c.i.f., Rotterdam.⁸ All origins, f.o.b., Netherlands.⁹ Caribbean, raw, f.a.s., No. 11 bulk, New York spot.¹⁰ London, average price all teas.¹¹ US No. 1, hard winter, ordinary protein, f.o.b. Gulf ports.¹² Boneless Australian, f.o.b., New York.¹³ Smoked sheets, New York.¹⁴ New York cocoa bean futures prices. Average of nearest three active futures trading months.

Table 26

US \$ per barrel

OPEC Countries: Crude Oil Prices¹

	1977	1978	1979	1979	1980	1980	1980	1980	1980
	I	II	III	IV	I	II	III	IV	Aug
OPEC average²	12.88	12.93	18.67	13.79	17.08	20.14	23.54	28.72	29.05
Saudi Arabia									
Light	12.40	12.70	17.26	13.34	15.68	18.00	22.00	26.00	26.00
34° API 1.70% sulfur									28.00
Berri	12.85	13.22	19.33	14.06	18.33	21.32	23.59	27.52	27.52
39° API 1.16% sulfur									29.52
Heavy	11.70	12.02	16.41	12.51	14.80	17.17	21.17	25.00	25.00
27° API 2.85% sulfur									27.00
Medium	12.01	12.32	16.79	12.89	15.20	17.54	21.54	25.45	25.45
31° API 2.40% sulfur									27.45
Iran									
Light	12.81	12.81	19.45	13.45	17.31	22.10	24.92	32.02	32.87
34° API 1.35% sulfur									35.37
Heavy	12.49	12.49	18.49	13.06	16.71	20.00	24.19	31.29	32.14
31° API 1.60% sulfur									34.37
Iraq									
35° API 1.95% sulfur	12.61	12.62	18.56	13.70	17.27	19.96	23.29	27.96	27.96
									29.96
Nigeria									
34° API 0.16% sulfur	14.45	14.07	20.86	14.73	19.63	23.39	25.69	32.56	34.13
									35.29
UAE									
39° API 0.75% sulfur	12.88	13.26	19.81	14.61	17.50	21.56	25.56	29.56	29.56
									31.56
Kuwait									
31° API 2.50% sulfur	12.37	12.26	18.48	13.36	16.93	19.49	24.14	27.50	27.50
									29.50
Libya									
40° API 0.22% sulfur	14.06	13.89	21.16	15.21	19.49	23.45	26.47	34.67	34.67
									35.44
Venezuela									
26° API 1.52% sulfur	12.75	12.75	17.22	13.36	16.06	19.31	20.15	26.11	26.78
									27.26
Indonesia									
33° API 0.09% sulfur	13.55	13.55	18.35	13.90	16.35	20.68	22.48	28.75	29.50
									30.27
Algeria									
42° API 0.10% sulfur	14.37	14.14	19.65	14.10	14.80	23.50	26.20	35.64	37.21
									37.73
Qatar									
40° API 1.17% sulfur	13.19	13.19	19.72	14.54	17.44	21.49	25.42	29.42	29.42
									31.42
Gabon									
29° API 1.26% sulfur	12.80	12.80	18.20	13.23	16.55	20.44	22.56	29.32	30.00
									31.10
Ecuador									
28° API 0.93% sulfur	12.90	12.33	22.41	15.94	22.12	22.13	28.45	33.50	33.50
									36.09

¹ F.o.b. prices set by the government for direct sales and, in most cases, for the producing company buy-back oil.

² Weighted by the volume of production.

Table 27

1970=100

Consumer Price Index

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States	76	81	100	114	127	139	147	156	168	187
Canada	77	83	100	116	129	142	153	165	180	197
Japan	57	77	100	124	154	172	188	204	211	219
European Community										
Belgium	74	84	100	118	133	150	163	175	183	189
France	67	81	100	120	136	152	167	182	199	220
Italy	68	87	100	122	146	171	199	237	265	305
Netherlands	66	79	100	125	137	151	165	175	182	190
United Kingdom	67	80	100	127	148	184	215	249	270	306
West Germany	77	88	100	119	127	135	141	146	150	156
Communist Countries										
USSR ¹	88	96	100	106	108	109	111	113	115	118
Eastern Europe ²										
Bulgaria ³	73	86	100	109	114	116	120	126	132	135
Czechoslovakia	74	80	100	106	109	111	113	114	116	120
East Germany	87	92	100	100	103	103	104	108	109	110
Hungary	82	88	100	115	118	123	130	134	140	152
Poland	78	88	100	113	124	132	142	155	168	181
Other										
Yugoslavia	31	59	100	160	196	242	269	308	350	425

¹ Implicit price index obtained from a comparison of indexes of goods sold in the retail trade network in constant and in current prices. The current price index is based on the values of total retail and collective farm market sales in current prices regularly published in Soviet statistical abstracts. The index in constant prices is derived from the goods components of the CIA index of total consumption. A more complete explanation of the methodology and a discussion of the relative merits of an "official" or "alternative" price index are contained in "Soviet Economy in a New Perspective," US Congress, Joint Economic Committee, 14 October 1976, p. 631.

² Calculated differently from that for the USSR; the official index of personal consumption in current prices was deflated by a calculated index of personal consumption in constant prices. An explanation of the methodology used to calculate personal consumption is presented in T. P. Alton, "Index of Personal Consumption in Poland, 1937 and 1946-1967," *Occasional Papers of the Research Projection National Income in East Central Europe* (NY: L. W. International Financial Research, Inc., 1973).

³ Price indexes are calculated from official figures for total consumption of the population, including estimates of health and education expenses.

Table 28

1970=100

Wholesale Price Index in Non-Communist Countries

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States	85	87	100	116	134	148	154	164	176	196
Canada	81	88	100	132	161	172	179	196	215	246
Japan	89	90	100	116	152	157	165	168	163	176
European Community										
Belgium ¹	82	90	100	116	136	137	147	151	148	157
France ²	77	85	100	122	158	149	160	169	176	200
Italy	77	88	100	126	177	192	236	276	299	347
Netherlands ³	81	90	100	116	129	137	147	155	158	162
United Kingdom ¹	74	84	100	123	152	189	220	265	288	323
West Germany ^{1 3}	88	94	100	114	135	137	144	147	146	155

¹ Excluding the value added tax.² Intermediate goods prices.³ Industrial goods prices.

Table 29

Million Persons at Midyear

Population

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD	641.7	681.7	715.4	736.4	743.0	748.6	753.9	759.4	764.7	770.0
United States	180.7	194.3	204.9	210.4	211.9	213.6	215.2	216.9	218.7	220.6
Australia	10.4	11.4	12.7	13.4	13.6	13.8	14.0	14.1	14.2	14.4
Austria	7.0	7.3	7.4	7.5	7.5	7.5	7.5	7.5	7.5	7.5
Canada	17.9	19.7	21.3	22.1	22.4	22.7	23.0	23.3	23.5	23.7
Finland	4.4	4.6	4.6	4.7	4.7	4.7	4.7	4.7	4.8	4.8
Greece	8.3	8.6	8.8	8.9	9.0	9.0	9.0	9.3	9.4	9.4
Iceland	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Japan	94.1	98.9	104.3	108.7	110.2	111.6	112.8	113.9	114.9	115.9
New Zealand	2.4	2.6	2.8	3.0	3.0	3.1	3.1	3.1	3.1	3.1
Norway	3.6	3.7	3.9	4.0	4.0	4.0	4.0	4.0	4.1	4.1
Portugal	9.0	9.1	9.0	9.0	9.1	9.4	9.7	9.7	9.8	9.9
Spain	30.5	32.1	33.8	34.7	35.1	35.4	35.8	36.3	36.7	37.1
Sweden	7.5	7.7	8.0	8.1	8.2	8.2	8.2	8.3	8.3	8.3
Switzerland	5.4	5.9	6.3	6.4	6.4	6.4	6.3	6.3	6.3	6.3
Turkey	28.2	32.0	35.8	38.6	40.0	40.5	41.5	42.5	43.5	44.6
European Community	232.1	243.6	251.6	256.7	257.7	258.5	258.9	259.3	259.7	260.1
Belgium	9.2	9.5	9.7	9.7	9.8	9.8	9.8	9.8	9.8	9.8
Denmark	4.6	4.8	4.9	5.0	5.0	5.1	5.1	5.1	5.1	5.1
France	45.7	48.8	50.8	52.2	52.5	52.7	52.9	53.1	53.3	53.5
Ireland	2.8	2.9	3.0	3.1	3.1	3.2	3.2	3.3	3.3	3.4
Italy	50.2	52.0	53.7	54.9	55.4	55.8	56.2	56.4	56.7	56.7
Luxembourg	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Netherlands	11.5	12.3	13.0	13.4	13.5	13.7	13.8	13.9	13.9	14.0
United Kingdom	52.6	54.4	55.5	56.0	56.0	56.0	56.0	55.9	55.9	55.9
West Germany	55.2	58.6	60.7	62.0	62.0	61.8	61.5	61.4	61.3	61.3
Less Developed Countries										
Brazil	71.7	83.1	95.7	103.3	105.9	108.5	111.1	113.7	116.4	119.2
Egypt	25.9	29.4	33.0	35.1	36.0	36.9	37.8	38.8	39.9	41.0
India	445.9	494.9	553.6	591.3	603.8	616.6	629.8	642.6	654.9	667.3
Indonesia	100.7	112.3	122.7	131.0	133.8	136.6	139.3	142.2	145.1	148.1
Mexico	36.2	42.6	50.1	55.1	56.3	58.7	60.5	62.3	64.1	65.8
Philippines	27.9	32.4	37.5	40.8	41.9	43.1	44.2	45.4	46.5	47.7
South Korea	25.1	29.1	33.0	35.3	36.0	36.7	37.3	37.9	38.5	39.1

Labor Force ¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States ²	72.14	77.18	85.90	91.04	93.24	94.79	96.92	99.53	102.54	105.00
Canada ²	6.48	7.25	8.49	9.36	9.72	10.05	10.29	10.58	10.96	11.29
Japan ³	45.11	47.87	51.53	53.26	53.10	53.23	53.78	54.52	55.32	55.96
European Community	N.A.	105	105	106	107	108	108	109	109	110
France	N.A.	20.38	21.46	22.08	22.28	22.23	22.44	22.77	22.93	23.07
Italy ⁴	N.A.	19.92	19.50	19.37	19.60	19.80	20.38	21.90	22.12	22.57
United Kingdom	N.A.	25.50	25.30	25.54	25.60	25.83	26.09	26.33	26.36	26.38
West Germany ⁵	N.A.	27.03	26.82	26.98	26.80	26.42	26.15	26.07	26.22	26.42
Communist Countries										
USSR and Eastern Europe	158	166	179	187	189	192	195	197	199	202
USSR ⁶	110.13	116.49	125.61	131.61	133.60	135.77	137.99	140.14	141.74	144.20
Eastern Europe	48.2	49.7	53.4	55.1	55.6	56.2	56.6	57.1	57.5	57.9
Bulgaria	4.42	4.26	4.55	4.64	4.64	4.66	4.68	4.70	4.72	4.73
Czechoslovakia	6.40	6.77	7.03	7.30	7.36	7.44	7.49	7.53	7.57	7.60
East Germany	8.51	8.39	8.53	8.63	8.67	8.71	8.76	8.80	8.86	8.93
Hungary	4.74	4.78	5.00	5.17	5.20	5.22	5.23	5.23	5.23	5.23
Poland	14.13	15.21	16.89	17.70	17.99	18.28	18.56	18.84	19.09	19.33
Romania	10.00	10.27	11.36	11.68	11.77	11.85	11.92	11.97	12.02	12.07
Far East										
Vietnam ⁷	8.50	9.70	10.95	11.85	12.15	12.50	22.00	23.00	24.50	25.50
Other										
Yugoslavia ⁸	7.07	7.81	8.07	7.93	8.03	8.21	8.32	8.42	8.50	8.85

¹ Unless otherwise indicated, data include the armed forces and the unemployed.

² Annual averages of monthly data.

³ Data are as of the end of the year.

⁴ New series beginning in 1977.

⁵ Excluding the armed forces.

⁶ Data are from *Estimates and Projections of the Labor Force*

and *Civilian Employment in the USSR*, by Stephen Rapaw, Foreign Economic Report No. 10, US Department of Commerce, September 1976, p. 19.

⁷ Excluding the armed forces and South Vietnam prior to 1976.

⁸ Excluding those employed abroad and the armed forces.

Table 31

Agricultural Labor Force ¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States ²	7.06	5.61	4.52	4.34	4.39	4.34	4.37	4.16	3.94	3.94
Canada ²	0.68	0.59	0.51	0.47	0.47	0.48	0.47	0.46	0.47	0.48
Japan ³	12.70	10.50	8.40	6.60	6.63	6.20	6.00	5.90	5.90	5.70
Communist Countries										
USSR and Eastern Europe	66.3	58.6	55.0	52.4	51.5	50.6	49.8	49.0	48.1	47.2
USSR ⁴	45.44	40.04	37.50	35.91	35.38	34.85	34.32	33.79	33.25	32.72
Eastern Europe	20.8	18.6	17.5	16.4	16.1	15.8	15.4	15.2	14.8	14.5
Bulgaria	2.49	1.93	1.64	1.49	1.44	1.40	1.36	1.32	1.27	1.23
Czechoslovakia	1.68	1.48	1.29	1.18	1.16	1.14	1.13	1.12	1.12	1.10
East Germany	1.56	1.38	1.08	1.00	0.97	0.93	0.90	0.88	0.86	0.86
Hungary	1.83	1.42	1.26	1.17	1.12	1.09	1.07	1.05	1.02	1.02
Poland	6.66	6.39	6.32	6.19	6.14	6.09	6.05	6.00	5.94	5.90
Romania	6.62	5.97	5.87	5.41	5.25	5.10	4.94	4.79	4.64	4.40
Far East										
Vietnam ⁵	6.50	6.75	7.65	8.30	8.50	8.70	13.40	13.90	14.50	15.10
Other										
Yugoslavia	4.14	4.12	4.01	3.56	3.37	3.21	3.08	2.88	2.75	2.69

¹ Excluding the armed forces.² Data are for civilian employment.³ Data are as of the end of the year.⁴ Data are from *Estimates and Projections of the Labor Force*and *Civilian Employment in the USSR*, by Stephen Rapaw, Foreign Economic Report No. 10, US Department of Commerce, September 1976, p. 19.⁵ Including South Vietnam beginning in 1976.

Table 32

Million Persons at Midyear

Nonagricultural Labor Force ¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States ²	60.32	66.73	75.16	80.96	82.44	81.40	84.19	87.30	91.03	93.65
Canada ²	5.30	6.47	7.41	8.29	8.65	8.80	9.01	9.18	9.50	9.89
Japan ³	31.63	36.84	42.52	46.01	46.07	46.05	46.70	47.52	48.19	49.12
European Community	N.A.	87.5	90.7	92.8	93.3	92.4	92.5	93.3	93.6	96.0
France	N.A.	16.08	17.49	18.38	18.65	18.41	18.61	19.15	19.73	20.72
Italy ⁴	N.A.	13.92	14.90	15.12	16.44	16.81	17.29	18.73	18.95	19.49
United Kingdom	N.A.	23.84	23.59	23.89	24.03	23.93	23.76	23.89	23.90	24.13
West Germany	N.A.	23.54	23.91	24.25	23.81	23.50	23.35	23.39	23.62	24.00
Communist Countries										
USSR and Eastern Europe	92.0	108	124	134	138	141	145	148	151	156
USSR ⁵	64.70	76.46	88.11	95.70	98.22	100.92	103.67	106.36	108.49	112.47
Eastern Europe	27.3	31.1	35.9	38.7	39.6	40.4	41.2	41.9	42.6	43.4
Bulgaria	1.93	2.34	2.91	3.15	3.20	3.27	3.32	3.38	3.45	3.50
Czechoslovakia	4.71	5.30	5.74	6.12	6.20	6.30	6.36	6.40	6.45	6.50
East Germany	6.95	7.00	7.46	7.63	7.70	7.78	7.85	7.93	8.00	8.07
Hungary	2.90	3.35	3.75	4.00	4.09	4.13	4.16	4.19	4.21	4.21
Poland	7.47	8.82	10.57	11.51	11.85	12.19	12.51	12.84	13.15	13.50
Romania	3.37	4.31	5.49	6.28	6.52	6.76	6.98	7.18	7.38	7.67
Far East										
Vietnam ⁶	2.00	2.95	3.30	3.55	3.65	3.80	9.20	9.60	10.00	10.40
Other										
Yugoslavia ⁷	2.93	3.69	4.06	4.37	4.66	5.00	5.24	5.54	5.75	6.16

¹ Unless otherwise indicated, data include the armed forces.² Civilian employment. The data are annual averages of monthly data that exclude the armed forces.³ Data are as of the end of the year.⁴ New series beginning in 1977.⁵ Data are from *Estimates and Projections of the Labor Force and Civilian Employment in the USSR*, by Stephen Rapaw,

Foreign Economic Report No. 10, US Department of Commerce, September 1976, p. 19.

⁶ Excluding the armed forces and including South Vietnam, prior to 1976.⁷ Excluding those employed abroad and the armed forces; estimated for 1979.

Table 33

Industrial Employment ¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States	17.51	18.69	19.97	20.80	20.77	19.08	19.78	20.50	21.33	21.94
Canada ²	N.A.	2.28	2.47	2.62	2.73	2.65	2.69	2.71	2.75	2.85
Japan ³	9.89	11.79	13.97	14.56	14.41	13.62	13.63	13.59	13.41	13.45
European Community	N.A.	41.2	41.3	40.5	40.2	41.4	40.6	41.1	40.7	40.6
France	N.A.	7.69	8.06	8.24	8.27	7.46	7.40	7.33	7.17	7.08
Italy ³	N.A.	7.66	8.12	8.05	8.06	8.30	8.23	7.67	7.63	7.65
United Kingdom	N.A.	11.54	10.91	10.48	10.46	10.02	9.76	9.82	9.76	9.69
West Germany	N.A.	13.10	13.00	12.80	12.40	11.60	11.40	11.30	11.40	11.50
Communist Countries										
USSR and Eastern Europe	34.0	40.3	46.1	48.5	49.4	50.3	51.2	52.0	52.6	53.1
USSR	22.62	27.45	31.59	32.88	33.43	34.05	34.81	35.42	36.01	36.37
Eastern Europe	11.4	12.8	14.5	15.6	16.0	16.3	16.4	16.6	16.7	16.8
Bulgaria	0.72	0.90	1.09	1.17	1.20	1.22	1.22	1.23	1.21	1.22
Czechoslovakia	2.21	2.41	2.60	2.66	2.68	2.70	2.71	2.73	2.75	2.79
East Germany	2.78	2.78	2.85	3.05	3.07	3.07	3.10	3.11	3.13	3.13
Hungary	1.39	1.57	1.79	1.79	1.81	1.80	1.80	1.76	1.73	1.70
Poland	3.01	3.50	4.12	4.48	4.60	4.68	4.68	4.72	4.78	4.77
Romania	1.25	1.67	2.06	2.48	2.66	2.80	2.91	3.03	3.10	3.15
Far East										
Vietnam ⁴	0.75	0.95	1.10	1.20	1.20	1.25	2.10	2.00	2.00	2.01
Other										
Yugoslavia	1.07	1.38	1.45	1.65	1.75	1.84	1.89	1.95	2.02	2.10

¹ Including employment in manufacturing, mining, and electric power.

² Data are as of the end of the year.

³ New series beginning in 1977.

⁴ Including South Vietnam beginning in 1976.

Table 34

Big Seven: Unemployment Rates ¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
United States	5.5	4.5	4.9	4.9	5.6	8.5	7.7	7.0	6.0	5.8
Canada	7.0	3.9	5.7	5.5	5.3	6.9	7.1	8.1	8.4	7.5
France	1.8	1.6	2.6	2.7	3.0	4.3	4.7	5.0	5.4	6.2
Italy	3.8	3.5	3.1	3.4	2.8	3.2	3.6	3.4	3.5	3.7
Japan	1.7	1.2	1.2	1.3	1.4	1.9	2.0	2.0	2.3	2.1
United Kingdom ²	2.2	2.2	3.1	2.9	2.9	4.1	5.5	6.0	6.0	5.6
West Germany ³	1.1	0.5	0.6	1.0	2.2	4.1	4.1	4.0	3.8	3.3

¹ Data adjusted to US concepts.² Excluding Northern Ireland.³ Unemployment as a share of total civilian labor force.

Table 35

Big Seven: Unemployment Rates, by Month

	Big Six Foreign Countries ¹							Canada
	United States	Japan	West Germany	France	United Kingdom	Italy		
1975 Jan	8.0	3.0	1.7	3.7	3.2	3.0	5.5	6.6
Feb	8.1	3.1	1.7	4.0	3.4	3.1	5.5	6.6
Mar	8.6	3.2	1.7	4.3	3.5	3.2	6.0	6.8
Apr	8.8	3.4	1.8	4.7	3.7	3.4	6.0	6.8
May	9.1	3.5	1.8	5.0	3.9	3.6	6.0	6.9
Jun	8.7	3.6	1.9	5.2	4.1	3.8	5.8	7.0
Jul	8.6	3.7	1.9	5.2	4.2	4.1	5.8	6.9
Aug	8.4	3.8	1.9	5.2	4.2	4.3	5.8	7.2
Sep	8.5	3.8	2.0	5.2	4.3	4.4	6.2	7.0
Oct	8.4	3.9	2.2	5.1	4.3	4.6	6.2	7.2
Nov	8.3	3.9	2.2	5.0	4.2	4.8	6.2	7.2
Dec	8.2	3.9	2.1	4.9	4.2	5.0	6.4	7.0
1976 Jan	7.9	3.8	2.0	4.6	4.2	5.1	6.4	6.9
Feb	7.7	3.8	2.0	4.8	4.2	5.2	6.4	6.9
Mar	7.6	3.8	1.9	4.8	4.3	5.2	6.7	6.7
Apr	7.6	3.9	2.0	4.7	4.3	5.3	6.7	7.1
May	7.4	3.9	2.1	4.6	4.4	5.3	6.7	7.0
Jun	7.5	3.9	2.1	4.6	4.5	5.3	6.8	7.0
Jul	7.7	4.0	2.1	4.6	4.4	5.5	6.8	7.3
Aug	7.8	3.9	2.0	4.6	4.4	5.6	6.8	7.1
Sep	7.7	3.9	2.0	4.5	4.3	5.6	6.9	7.1
Oct	7.7	3.9	2.0	4.5	4.3	5.5	6.9	7.5
Nov	7.8	3.9	2.0	4.4	4.3	5.6	6.9	7.4
Dec	7.8	3.8	1.8	4.4	4.3	5.6	6.9	7.5
1977 Jan	7.4	3.9	1.8	4.4	4.5	5.7	6.9	7.6
Feb	7.6	4.0	1.9	4.4	4.6	5.6	6.9	7.9
Mar	7.4	4.0	1.9	4.4	4.7	5.6	7.1	8.0
Apr	7.1	4.0	1.9	4.5	4.7	5.6	7.1	8.1
May	7.1	4.1	2.1	4.6	4.9	5.6	7.1	7.8
Jun	7.1	4.2	2.2	4.6	5.0	5.7	7.5	7.9
Jul	6.9	4.3	2.2	4.6	5.2	5.9	7.5	8.1
Aug	7.0	4.3	2.1	4.6	5.4	5.9	7.5	8.2
Sep	6.8	4.2	2.0	4.6	5.2	6.0	7.1	8.2
Oct	6.8	4.2	2.0	4.6	5.0	6.0	7.1	8.3
Nov	6.7	4.2	2.1	4.6	4.9	6.0	7.1	8.4
Dec	6.4	4.2	2.1	4.5	4.8	6.0	7.2	8.5

1978 Jan	6.3	4.1	2.1	4.4	4.7	5.9	7.2	8.3
Feb	6.1	4.2	2.1	4.5	4.8	5.9	7.2	8.3
Mar	6.2	4.2	2.1	4.5	5.0	5.8	7.2	8.6
Apr	6.0	4.2	2.2	4.4	5.0	5.8	7.2	8.5
May	6.1	4.3	2.3	4.5	5.2	5.7	7.2	8.5
Jun	5.7	4.3	2.3	4.4	5.4	5.7	7.2	8.5
Jul	6.2	4.3	2.3	4.3	5.6	5.7	7.2	8.3
Aug	5.9	4.3	2.3	4.3	5.7	5.7	7.2	8.4
Sep	6.0	4.4	2.4	4.3	5.6	5.6	7.3	8.5
Oct	5.8	4.3	2.3	4.3	5.6	5.6	7.3	8.2
Nov	5.8	4.2	2.3	4.2	5.5	5.5	7.3	8.2
Dec	5.9	4.3	2.3	4.1	5.7	5.5	7.7	8.1
1979 Jan	5.8	4.2	2.1	4.2	5.7	5.6	7.7	8.0
Feb	5.7	4.2	2.0	4.1	5.9	5.7	7.7	7.8
Mar	5.7	4.2	2.1	3.9	6.0	5.6	7.7	7.8
Apr	5.8	4.2	2.2	3.8	6.1	5.5	7.7	7.8
May	5.8	4.2	2.0	3.7	6.3	5.4	7.7	7.6
Jun	5.6	4.2	2.0	3.8	6.4	5.3	8.0	7.4
Jul	5.7	4.2	2.2	3.7	6.4	5.3	8.0	7.1
Aug	6.0	4.2	2.2	3.7	6.4	5.2	8.0	7.2
Sep	5.8	4.1	2.0	3.6	6.2	5.2	8.0	7.1
Oct	6.0	4.1	2.1	3.6	6.1	5.3	7.3	7.4
Nov	5.8	4.1	2.1	3.6	6.2	5.3	7.3	7.3
Dec	5.9	4.0	2.0	3.5	6.2	5.3	7.3	7.1

¹ Weighted average, excluding data for Italy.

Table 36

Foreign Trade Exchange Rates of the Communist Countries¹

		Units per US \$									
	Unit of Currency	1971	1972	1973	1974	1975	1976	1977	1978	1979	
USSR	Ruble	0.900	0.824	0.739	0.756	0.720	0.754	0.736	0.681	0.654	
Eastern Europe											
Bulgaria	Lev	1.17	1.08	0.97	0.97	0.97	0.97	0.95	0.90	0.88	
Czechoslovakia	Koruna	7.20	6.63	5.84	5.84	5.58	5.77	5.64	5.46	5.35	
East Germany	Deutsche mark	4.20	3.87	3.48	3.48	3.48	3.48	3.48	3.48	3.48	
Hungary	Forint	11.74	10.81	9.50	9.15	8.57	41.56	40.96	37.09	35.57	
Poland	Zloty	4.00	3.68	3.32	3.32	3.32	3.32	3.32	3.32	3.09	
Romania	Leu	6.00	5.53	4.97	4.97	4.97	4.97	4.97	4.47	4.47	
Far East											
China	Yuan	2.39	2.25	2.01	1.96	1.85	1.94	1.85	1.68	1.55	
North Korea	Won	2.36	2.36	2.06	2.15	2.02	2.02	2.02	1.86	N.A.	
Vietnam	Dong	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	2.30	2.54	2.17	
Other											
Albania	Lek	5.00	4.61	4.14	4.14	4.14	4.14	4.14	4.14	4.14	
Cuba	Peso	1.00	0.92	0.83	0.84	0.81	0.83	0.82	0.76	0.72	
Mongolia	Tugrik	N.A.	N.A.	3.31	N.A.	N.A.	N.A.	3.30	3.11	3.11	
Yugoslavia	Dinar	14.96	17.00	16.19	15.91	17.39	18.19	18.30	18.64	19.00	

¹ Average exchange rate for the year. Some countries also have special exchange rates for noncommercial transactions, such as diplomatic, tourist, and student expenditures and for personal remittances.

² The unofficial rates actually used in East German accounting of foreign trade transactions. The official rate is 2.05 deutsche marks to the dollar.

³ Since January 1976, Hungary has expressed the value of its foreign trade in domestic forints rather than diviza forints.

⁴ End of year rate. Non-commercial rate through 1977; 1978 is a "special" rate for March 1978 as reported.

Aid

Foreign Trade

Soviet Economic
Performance

Table 37

USSR: Percent Distribution of Gross National Product at Factor Cost,¹ by End Use

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979 ²
Total	100	100	100	100	100	100	100	100	100	100
Consumption ³	63	59	59	58	58	59	58	58	57	58
Investment	21	24	25	26	27	27	28	28	28	28
New fixed ⁴	17	19	20	21	21	21	22	22	22	22
Defense, administration, R&D, inventory change, net exports, and outlays n.e.c.	16	17	16	16	15	14	14	14	15	14

¹ Because of the well-known difficulties in using Soviet established prices as a measure of resource burden, the shares of GNP in this table are based on GNP at factor cost. In calculating GNP at factor cost, 1970 end-use weights have been revised from an established price basis to a factor cost basis by subtracting turnover taxes and profits and adding implicit amortization and capital charges and subsidies. These revised weights are then moved over

time by indexes of the various end uses in constant prices.

² Preliminary.

³ Including consumption of food, soft goods, durables, personal services, and personal and government outlays for education and health.

⁴ Including machinery and equipment, construction and other capital outlays, and net additions to livestock.

Percent

Table 38

USSR: Growth of Gross National Product at Factor Cost, by End Use¹

	Average Annual Rate of Growth						Percent
	1961-65	1966-70	1971-73	1974	1975	1976	
Total	5.1	5.3	4.4	4.0	1.9	4.6	3.5
Consumption ²	3.9	5.3	3.5	3.6	3.8	3.0	2.6
Investment	7.7	5.9	6.1	6.7	2.0	8.3	3.9
New fixed ³	7.5	6.5	4.9	6.4	3.2	8.1	3.3
Defense, administration, R&D, inventory change, net exports, and outlays n.e.c.	6.2	4.1	5.2	0.9	-5.6	4.4	6.2

¹ Because of the well-known difficulties in using Soviet established prices as a measure of resource burden, the shares of GNP in this table are based on GNP at factor cost. In calculating GNP at factor cost, 1970 end-use weights have been revised from an established price basis to a factor cost basis by subtracting turnover taxes and subsidies. These revised weights are then moved over time by indexes of the various end uses in constant prices.

² Including consumption of food, soft goods, durables, personal services, and personal and government outlays for education and health.

³ Including machinery and equipment, construction and other capital outlays, and net additions to livestock.

Percent

Table 39

Billion Rubles

USSR: Gross Fixed Capital Investment, by Function and by Sector¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979 ²
Total investment	41.3	56.0	80.7	97.0	104.0	112.9	118.0	122.3	129.7	130.9
By function										
Construction and installation	29.1	35.5	49.9	59.1	62.3	66.2	67.0	68.4	69.5	69.4
Equipment	10.0	16.9	24.4	29.9	32.9	37.1	40.7	43.0	46.6	47.6
Other capital outlays	2.2	3.6	6.3	8.0	8.8	9.6	10.3	10.9	13.6	13.9
By sector										
Industry	14.86	20.63	28.66	34.11	36.56	39.85	41.59	43.45	46.03	N.A.
Ferrous metallurgy	1.39	1.78	2.02	2.76	2.95	2.80	2.91	3.06	3.03	N.A.
Chemicals and petrochemicals	1.03	2.16	2.40	3.05	3.47	3.79	3.97	4.48	5.32	N.A.
Fuels and power	4.29	6.50	8.04	9.52	10.15	10.94	11.42	11.98	13.41	N.A.
Machine building and metalworking	2.04	3.11	5.96	7.14	7.86	9.41	10.05	10.57	11.11	N.A.
Construction materials	1.18	1.01	1.67	1.91	1.88	1.86	1.66	1.89	1.80	N.A.
Consumer goods	2.00	2.43	3.50	4.07	4.29	4.54	4.42	4.26	4.32	N.A.
Other ³	2.93	3.64	5.07	5.66	5.96	6.51	7.16	7.21	7.04	N.A.
Construction industry	1.14	1.46	2.91	3.55	3.73	4.25	4.99	4.65	4.80	N.A.
Transport and communications	3.83	5.40	7.61	10.10	11.02	12.17	13.32	13.89	16.24	N.A.
Agriculture	5.44	9.47	14.27	19.85	21.58	23.29	24.27	24.91	25.79	N.A.
Housing	9.40	9.59	13.36	15.05	15.50	16.26	16.50	17.01	17.52	N.A.
Services	6.63 ⁴	9.45	13.81	14.30	15.50	17.07	17.29	18.37	19.31	N.A.

¹ The construction portion of gross fixed investment is reported in standard project costs ("estimate prices" in Soviet terminology) of 1 January 1976. Investment in machinery and equipment is in wholesale prices of 1 January 1973. Other capital outlays are for surveys, designs, technical documentation, and the like. Their valuation in investment statistics has never been described in Soviet sources. Before 1976, Soviet statistical publications reported investment in prices of 1 January 1969. Official Soviet price indexes show only small changes in construction costs and equipment prices between 1969 and 1976. The USSR has yet to release figures in 1976 prices for total investment in 1960, and for investment by

sector in 1960, 1965, 1973, and 1974. Data for these years in 1969 prices were converted to 1976 prices by comparing investment in old and new prices for those years where data are available in both sets of prices. This table is not comparable to earlier versions published in this *Handbook* before 1978.

² Preliminary.

³ Computed as a residual; includes investment in nonferrous metallurgy, timber, paper, woodworking, and miscellaneous other branches of industry.

⁴ Computed as a residual.

Table 40

USSR: Stock of Fixed Capital, by Sector ¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979 ²
Total capital stock ³	397	601	860	1,083	1,167	1,256	1,345	1,437	1,540	1,638
Industry	101	168	255	326	355	385	416	445	479	515
Ferrous metallurgy	10	17	25	32	35	38	41	43	46	N.A.
Chemicals and petrochemicals	5	14	23	30	33	36	39	41	45	N.A.
Fuels and power	32	48	78	96	103	113	122	130	139	N.A.
Machine building and metalworking	18	32	51	68	75	83	92	100	110	N.A.
Construction materials	6	10	15	19	21	22	24	25	27	N.A.
Consumer goods	14	22	32	41	44	49	52	55	58	N.A.
Timber, woodworking, and paper	6	9	13	16	18	18	20	20	22	N.A.
Other	10	16	18	24	26	26	26	31	32	N.A.
Construction industry	7	12	22	30	33	35	39	43	48	52
Trade, public dining, material, technical supply	10	20	31	40	42	47	51	55	59	62
Agriculture ³	53	77	106	139	154	167	180	194	211	224
Transport and communications	53	83	117	147	158	171	182	195	209	223
Housing	120	159	204	239	253	267	280	294	309	324
Services	53	82	125	162	172	184	197	211	225	238

¹ The fixed capital series presented here is expressed in prices of 1973 with the value of stocks estimated as of 31 December of the respective year.

² Preliminary.

³ Including the value of basic herds.

Table 41

Average Annual Rate of Growth in Percent

USSR: Aggregate Factor Productivity

	1961-65 ¹	1966-70 ¹	1973	1974	1975	1976	1977	1978	1979
Gross national product ²	5.1	5.3	7.0	4.0	1.9	4.6	3.6	3.5	0.7
Factor productivity	0.7	1.2	2.8	-0.4	-1.8	1.0	-0.1	-0.3	-2.6
Manhours	3.5	3.2	5.5	1.9	0.7	3.5	2.1	1.8	-0.4
Capital	-3.3	-2.0	-1.0	-3.6	-5.4	-2.5	-3.1	-3.3	-5.7
Land	4.5	5.6	5.1	3.5	1.4	4.6	3.8	3.5	0.7
Combined inputs ³	4.4	4.1	4.1	4.4	3.8	3.6	3.7	3.8	3.4
Manhours	1.5	2.0	1.4	2.0	1.1	1.1	1.5	1.7	1.1
Capital	8.7	7.4	8.0	7.9	7.7	7.3	7.0	7.0	6.8
Land	0.6	-0.3	1.8	0.4	0.4	0	-0.2	0	0

¹ For computing average annual rates of growth, the base year is the year prior to the stated period.

² Based on indexes of GNP (1970 rubles), by sector of origin, at factor cost.

³ Inputs of manhours, capital, and land are combined using weights of 55.8 percent, 41.2 percent, 3.0 percent, respectively, in a

Cobb-Douglas (linear homogeneous) production function. These weights represent the distribution of labor costs (wages, other income, and social insurance deductions), capital costs (depreciation and a 20-percent charge on gross fixed capital, including livestock), and land rent in 1970, the base year for all indexes underlying the growth rate calculations.

Table 42

Average Annual Rate of Growth in Percent

USSR: Industrial Factor Productivity

	1961-65 ¹	1966-70 ¹	1973	1974	1975	1976	1977	1978	1979
Industrial production	6.8	6.4	6.3	6.3	5.9	4.1	4.1	3.8	2.2
Factor productivity	-0.1	0.6	1.9	1.1	0.9	-0.9	-0.3	-0.5	-1.8
Manhours	3.9	3.2	5.7	4.3	4.2	1.8	2.6	2.1	0.9
Capital	-4.0	-2.2	-2.0	-2.3	-2.6	-3.8	-3.4	-3.3	-4.7
Combined inputs ²	6.8	5.7	4.3	5.2	4.9	5.1	4.4	4.3	4.0
Manhours	2.9	3.1	0.6	2.0	1.7	2.2	1.5	1.7	1.2
Capital	11.3	8.7	8.5	8.8	8.7	8.2	7.7	7.3	7.2

¹ For computing the average annual rates of growth, the base year is the year prior to the stated period.

² Inputs of manhours and capital are combined using weights of 52.4 percent and 47.6 percent, respectively, in a Cobb-Douglas (linear homogeneous) production function. These weights represent

the distribution of labor costs (wages and social insurance deductions) and capital costs (depreciation and a 20-percent charge on gross fixed capital) in 1970, the base year for all indexes underlying the growth rate calculations.

Table 43

USSR: Industrial Production, by Branch of Industry ¹

	1961-65 ²	1966-70 ³	1973	1974	1975	1976	1977	1978 ³	1979 ³
Industrial materials	6.8	5.9	5.6	5.5	5.8	3.6	2.9	2.4	0.4
Electricity	11.5	7.9	6.8	6.7	6.6	6.9	3.6	4.5	3.1
Fuels	6.3	5.0	4.9	4.9	5.9	3.7	4.1	3.4	2.2
Ferrous metals	7.2	5.0	4.0	4.2	4.3	2.7	0.9	2.9	-0.9
Nonferrous metals	7.7	8.1	5.9	7.0	4.7	2.8	2.5	0.9	0.1
Wood, pulp, and paper products	2.6	2.9	2.7	1.8	3.6	0	0.5	-0.1	0.8
Construction materials	5.4	5.7	6.0	4.7	4.5	3.5	1.8	0.6	-2.5
Chemicals	12.0	8.9	9.0	9.5	9.9	4.8	5.8	3.1	-1.4
Total machinery	8.2	7.0	9.8	8.0	6.8	6.0	6.1	6.4	5.0
Of which:									
Producer durables	9.1	7.0	9.4	9.0	8.1	6.7	6.7	6.8 ⁴	NA
Consumer durables	9.8	10.3	13.0	10.8	8.9	6.4	7.3	6.9 ⁴	NA
Nondurable consumer goods	4.7	6.5	1.8	5.4	4.1	1.4	3.2	1.9	0.5
Soft goods	2.6	7.2	2.8	2.7	2.9	4.2	2.5	1.8	0.4
Processed foods	6.8	5.9	0.8	7.9	5.3	-1.0	3.8	2.1	0.5
Total industrial production	6.8	6.4	6.3	6.3	5.9	4.1	4.1	3.8	2.2

¹ Based on CIA estimates rather than Soviet official series. The latter are believed to contain an upward bias in rates of growth because of double-counting and disguised inflation. The branch indexes shown above are formed by combining a sample of products in which intrabranch purchases have been excluded. The indexes for industrial materials, consumer nondurables, and total industrial

production are formed by combining the component branch indexes using 1970 value-added weights.

² The base year is the year prior to the stated period. Rates of growth are derived from unrounded data.

³ Preliminary.

⁴ Estimate.

Table 44

USSR: Hard Currency Balance of Payments

Million US \$

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979 ¹
Trade Balance	-250	-186	-500	-1,757	-978	-6,422	-5,595	-3,300	-3,794	-2,069
Exports, f.o.b.	768	1,374	2,201	4,790	7,470	7,835	9,721	11,345	13,157	19,524
Imports, f.o.b.	1,018	1,560	2,701	6,547	8,448	14,257	15,316	14,645	16,951	21,593
Gold sales	200	550	0	900	1,178	725	1,369	1,618	2,673	2,200
Net interest	-2	-17	-83	-80	-102	-568	-716	-846	-1,081	-1,200
Other invisibles and hard currency trade not included elsewhere ²	-66	-46	605	2,088	1,916	1,551	2,011	3,300	3,468	5,180
Current account balance	-118	301	22	1,151	2,014	-4,714	-2,931	772	1,266	4,111
Direct investment abroad ³	0	0	0	-9	-11	-3	-31	0	0	0
Borrowing from abroad ⁴	88	41	291	1,340	1,426	5,402	4,694	1,777	1,785	-27
Lending to other countries ⁵	0	0	-25	-809	-1,029	295	-1,711	140	-1,612	-1,100
Capital account balance	88	41	266	522	386	5,694	2,952	1,917	173	-1,127
Errors and omissions ⁶	30	-342	-288	-1,673	-2,400	-980	-21	-2,689	-1,439	-2,984

¹ Estimated.² Including estimated receipts from arms sales, official transfers, and net receipts from tourism and transportation.³ Estimated investment in Soviet banking operations in the West.⁴ Soviet drawings on Western credits and East European investment in construction of the Orenburg pipeline. Excludes borrowings by the International Investment Bank and International Bank for Economic Cooperation, which borrow on behalf of CEMA countries.

tries. The extent to which the USSR has borrowed (if at all) from these CEMA banks is unknown.

⁵ Net change in Soviet assets held with Western commercial banks and in outstanding trade credits extended to finance Soviet exports.⁶ Including intra-CEMA hard currency trade and other hard currency payments.

Table 45

Million US \$

USSR: Estimated Drawings and Scheduled Repayments on Western Credits ¹

	Estimated Drawings ²	Repayments ³	Interest ⁴	Amount Available to Offset Trade Deficit	Gross Debt Outstanding at End of Year
1970	450	159	83	208	1,515
1971	511	223	135	153	1,803
1972	878	276	170	432	2,405
1973	1,737	397	332	1,008	3,746
1974	2,052	625	508	919	5,172
1975	6,371	969	804	4,598	10,574
1976	5,661	1,386	1,012	3,263	14,848
1977	2,850	1,975	1,140	-265	15,725
1978	3,851	2,352	1,769	-270	17,224
1979	2,776	2,800	1,954	-1,978	17,200

¹ Totals for 1970-78 reflect recent revision of Soviet debt repayments on government-backed debt and known estimates.

² Drawings on credits backed by Western government guarantees and on commercial credits, which lack official guarantees.

³ Scheduled repayments on government-backed debt and known repayments on medium-term commercial debt.

⁴ Interest payments on government-backed debt and on gross commercial debt.

Table 46

Million Troy Ounces

USSR: Gold Production and Reserves

	Production	Reserves
1965	5.33	29.61
1966	5.69	33.01
1967	5.94	36.84
1968	6.23	41.37
1969	6.59	46.77
1970	7.00	52.43
1971	7.20	57.77
1972	7.81	59.22
1973	8.03	56.16
1974	8.42	59.02
1975	8.29	61.08
1976	8.87	57.77
1977	9.19	54.72
1978	9.54	49.08
1979	9.87	50.83

Exports by Selected Non-Communist Countries ¹

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
OECD	83,796	126,331	221,676	248,482	295,624	404,220	538,414	573,767	638,999	724,947	869,090	1,065,850
United States :	19,651	26,751	42,659	43,549	49,199	70,823	97,908	107,130	114,800	121,150	143,570	181,640
Australia	2,050	3,005	4,771	5,212	6,462	9,559	11,025	11,943	13,155	13,352	14,146	18,666
Canada	5,834	8,471	16,747	18,370	21,165	26,435	34,511	34,073	40,598	43,545	48,122	58,190
Japan	4,055	8,452	19,318	24,087	29,095	37,081	55,554	55,727	67,321	81,084	98,338	102,284
Spain	725	935	2,388	2,962	3,817	5,199	7,091	7,691	8,730	10,223	13,115	18,208
Sweden	2,565	3,971	6,795	7,478	8,769	12,201	15,939	17,384	18,435	19,082	21,786	27,559
Switzerland	1,859	2,941	5,063	5,738	6,842	9,525	11,934	12,953	14,835	17,614	23,561	26,538
European Community	42,286	64,830	112,764	129,062	155,152	212,027	276,895	298,436	328,815	382,304	462,360	577,531
Belgium-Luxembourg	3,792	6,394	11,600	12,726	16,152	22,484	28,328	28,802	32,890	37,539	45,053	56,249
Denmark	1,494	2,320	3,356	3,688	4,432	6,248	7,719	8,712	9,115	10,065	11,882	14,613
France	6,867	10,176	18,098	20,811	26,451	36,659	46,255	53,118	57,162	64,997	79,378	100,691
Ireland	426	619	1,120	1,313	1,611	2,132	2,654	3,192	3,315	4,402	5,683	7,174
Italy	3,654	7,200	13,206	15,116	18,607	22,224	30,469	34,816	37,261	45,305	56,068	72,232
Netherlands	4,028	6,398	11,774	13,963	16,791	24,055	32,821	35,097	40,214	43,700	50,138	63,669
United Kingdom	10,609	13,810	19,382	22,383	24,377	30,659	39,396	44,523	46,696	58,205	71,705	91,016
West Germany	11,416	17,913	34,228	39,062	46,731	67,566	89,253	90,176	102,162	118,091	142,453	171,887
Other Countries												
Algeria	394	637	1,009	857	1,306	1,896	4,598	4,691	5,201	5,928	6,347	8,198
Argentina	1,079	1,493	1,773	1,740	1,941	3,266	3,931	2,961	3,916	5,652	6,400	N.A.
Brazil	1,268	1,596	2,739	2,904	3,991	6,199	7,951	8,670	10,128	12,120	12,659	15,244
Chile	488	637	1,249	962	855	1,231	2,481	1,661	2,083	2,190	2,408	3,763
Colombia	465	539	736	690	866	1,191	1,417	1,465	1,745	2,433	3,060	3,381
Egypt	568	605	762	789	825	1,125	1,516	1,402	1,522	1,708	1,737	1,840
Hong Kong	689	1,143	2,514	2,875	3,448	5,070	5,959	6,019	8,526	9,704	11,208	11,273
India	1,332	1,687	2,026	2,034	2,452	2,917	3,926	4,406	5,551	6,378	6,668	6,939
Indonesia	841	762	1,152	1,247	1,534	3,061	7,426	7,102	8,547	10,853	11,643	15,590
Iran	844	1,305	2,624	3,825	4,040	6,205	21,575	20,211	23,502	24,246	22,431	19,001
Iraq	467	710	847	1,139	1,108	1,955	6,600	8,297	9,272	9,664	11,009	21,449
Israel	217	430	779	958	1,147	1,459	1,906	1,941	2,415	3,084	3,921	4,553
Kuwait	962	1,284	1,693	2,272	2,557	3,321	9,854	8,644	9,844	9,801	10,464	17,480
Libya	11	1,006	2,833	2,848	2,425	3,454	7,129	6,042	8,306	9,761	9,503	15,236
Malaysia	1,186	1,236	1,686	1,644	1,722	3,046	4,235	3,831	5,295	6,080	7,413	11,077
Mexico	765	1,120	1,403	1,507	1,699	2,261	2,988	2,904	3,418	4,517	5,958	8,982
Nigeria	475	752	1,240	1,816	2,180	3,466	9,699	7,776	10,085	11,780	10,509	17,801
Pakistan	394	528	724	666	679	958	1,113	1,052	1,167	1,189	1,475	2,056

Peru	435	667	1,048	893	944	1,049	1,520	1,292	1,265	1,603	1,949	3,532
Philippines	623	697	1,013	1,096	1,096	1,824	2,730	2,263	2,513	3,094	3,333	4,533
Saudi Arabia	891	1,396	2,358	3,447	4,516	7,693	31,200	27,996	36,437	41,210	37,935	59,334
Singapore	1,136	981	1,554	1,763	2,191	3,667	5,810	5,376	6,585	8,241	10,134	14,233
South Africa ¹	1,995	2,585	3,355	3,509	4,197	6,114	8,760	8,959	7,976	9,987	12,875	18,402
South Korea	33	175	835	1,068	1,624	3,225	4,460	5,081	7,715	10,047	12,718	15,055
Taiwan	164	450	1,428	1,998	2,914	4,375	5,517	5,301	8,155	9,349	12,682	16,068
Thailand	411	622	710	831	1,081	1,564	2,444	2,208	2,980	3,490	4,085	5,304
Venezuela	2,305	2,428	2,599	3,086	3,126	4,891	10,834	8,800	9,299	9,551	9,187	14,158
Zaire	480	306	796	687	692	1,004	1,295	865	904	988	925	1,323
Zambia	577	533	1,001	679	758	1,147	1,407	810	1,036	893	817	N.A.

¹ Data are from the International Monetary Fund, *International Financial Statistics*. Exports are f.o.b.

² Excluding Department of Defense shipments.

³ Including data for Botswana, Lesotho, Swaziland, and Namibia.

Table 48

Million US \$

Imports by Selected Non-Communist Countries¹

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
OECD	87,224	133,979	231,139	257,357	306,680	421,725	600,431	601,780	693,796	787,250	908,172	1,163,723
United States	16,367	23,185	42,429	48,342	58,862	73,575	107,996	103,389	129,565	157,560	183,093	218,927
Australia	2,662	3,763	5,055	5,224	5,136	7,685	12,397	11,097	12,389	13,515	15,568	18,230
Canada	6,163	8,687	14,255	16,538	20,020	24,743	34,418	36,208	40,356	42,226	46,388	56,783
Japan	4,491	8,169	18,881	19,722	23,868	38,449	62,108	57,853	64,895	71,340	79,910	109,815
Spain	722	3,040	4,747	5,006	6,829	9,671	15,427	16,264	17,474	17,835	18,713	25,438
Sweden	2,901	4,377	7,007	7,082	8,110	10,628	16,457	17,450	19,628	20,140	20,589	28,596
Switzerland	2,206	3,642	6,374	7,191	8,468	11,621	14,445	13,303	14,775	17,940	23,804	29,356
European Community	45,161	69,339	116,613	130,477	154,725	216,418	295,907	301,949	345,555	390,158	463,070	604,550
Belgium-Luxembourg	3,970	6,502	11,412	12,900	15,490	22,074	29,875	30,779	35,546	40,408	48,728	60,393
Denmark	1,805	2,823	4,407	4,615	5,088	7,802	9,927	10,368	12,427	13,265	14,808	18,453
France	6,282	10,384	19,132	21,336	27,001	37,727	52,914	53,964	64,391	70,497	81,795	107,008
Ireland	634	1,041	1,624	1,836	2,102	2,791	3,812	3,778	4,195	5,394	7,107	9,860
Italy	4,733	7,378	14,969	15,980	19,318	27,796	41,090	38,367	43,431	48,091	56,459	77,962
Netherlands	4,531	7,471	13,426	15,408	17,521	24,493	33,691	35,604	40,534	46,508	53,833	68,214
United Kingdom	13,034	16,128	21,696	23,924	27,831	38,842	55,018	54,159	56,605	64,520	78,586	102,949
West Germany	10,172	17,612	29,947	34,478	40,374	54,893	69,580	74,930	88,421	101,475	121,754	159,711
Other Countries												
Algeria	1,264	672	1,257	1,227	1,493	2,242	4,257	6,008	5,339	7,125	8,530	8,100
Argentina	1,249	1,199	1,694	1,868	1,905	2,230	3,635	3,947	3,033	4,162	3,834	N.A.
Brazil	1,462	1,096	2,849	3,701	4,783	6,999	14,168	13,592	13,726	13,257	15,054	19,677
Chile	526	604	941	980	933	1,098	1,911	1,535	1,776	2,414	3,002	4,218
Colombia	519	454	843	929	859	1,062	1,597	1,495	1,702	2,028	2,928	4,437
Egypt	668	879	787	904	877	908	2,351	3,934	3,807	4,816	6,727	3,837
Hong Kong	1,026	1,569	2,905	3,391	3,869	5,661	6,768	6,767	8,882	10,541	13,109	17,300
India	2,303	2,838	2,405	2,420	2,242	3,210	5,136	6,381	5,665	6,647	7,929	8,800
Indonesia	574	695	1,002	1,103	1,562	2,729	3,842	4,770	5,673	6,230	6,690	7,202
Iran	560	859	1,662	1,873	2,409	3,393	5,433	10,343	12,894	14,070	16,020	9,739
Iraq	389	455	508	702	705	894	2,371	4,215	3,897	4,481	4,213	6,312
Israel	551	838	2,086	2,388	2,477	4,240	5,453	5,997	5,667	5,787	7,403	7,471
Kuwait	242	377	625	652	797	1,052	1,552	2,390	3,324	4,840	4,600	5,360
Libya	169	320	555	707	1,043	1,813	2,762	3,542	3,212	3,782	4,603	7,898
Malaysia	910	1,097	1,418	1,453	1,665	2,508	4,144	3,554	3,828	4,542	5,929	7,854
Mexico	1,187	1,560	2,461	2,407	2,719	3,814	6,057	6,571	6,028	5,883	7,555	12,086
Nigeria	604	770	1,059	1,515	1,505	1,865	2,776	6,041	8,213	11,095	12,732	9,692
Pakistan	654	1,047	1,151	917	666	978	1,732	2,158	2,181	2,446	3,285	3,960

Peru	377	719	606	739	791	1,019	1,531	2,551	2,037	1,911	1,960	2,146
Philippines	714	893	1,199	1,323	1,413	1,798	3,469	3,742	3,938	4,267	5,137	6,611
Saudi Arabia	234	506	711	818	1,136	1,977	2,860	4,214	8,695	14,656	20,422	27,736
Singapore	1,332	1,244	2,461	2,843	3,398	5,147	8,380	8,133	9,070	10,471	13,049	17,636
South Africa ²	1,629	2,563	3,843	4,364	3,948	5,163	7,856	8,293	7,285	6,270	7,614	8,991
South Korea	344	463	1,984	2,394	2,522	4,240	6,852	7,274	8,774	10,811	14,972	20,339
Taiwan	297	558	1,528	1,849	2,518	3,792	6,984	5,960	7,609	8,522	11,051	14,781
Thailand	447	742	1,299	1,288	1,484	2,049	3,143	3,280	3,572	4,616	5,356	7,158
Venezuela	1,289	1,518	1,965	2,279	2,411	2,810	4,191	6,004	6,830	11,446	12,422	10,400
Zaire	235	292	536	619	625	754	1,051	905	668	609	589	597
Zambia	495	341	559	652	677	663	985	1,138	798	828	748	N.A.

¹ Data are from the International Monetary Fund, *International*

Financial Statistics. Imports are c.i.f.

² Including data for Botswana, Lesotho, Swaziland, and Namibia.

Table 49

Million US \$

Trade Balance of Selected Non-Communist Countries

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
OECD												
United States	-3,428	-7,648	-9,463	-8,875	-11,056	-17,505	-62,017	-28,013	-54,797	-62,303	-39,082	-97,873
Australia	3,284	3,566	230	-4,793	-9,663	-2,752	-10,088	3,741	-14,765	-36,410	-39,523	-37,287
Canada	612	-758	284	-12	1,326	1,874	1,372	846	766	-163	-1,422	436
Japan	-329	-216	2,492	1,832	1,145	1,692	93	-2,135	242	1,319	1,734	1,407
Spain	-436	283	437	4,365	5,227	-1,368	-6,554	-2,126	2,426	9,744	18,428	-7,531
Sweden	3	-2,105	-2,359	-2,044	-3,012	-4,472	-8,336	-8,573	-8,744	-7,612	-5,598	-7,230
Switzerland	-336	-406	-212	396	659	1,573	-518	-66	-1,193	-1,058	1,197	-1,037
European Community	-347	-701	-1,311	-1,453	-1,626	-2,096	-2,511	-350	60	-326	-243	-2,818
Belgium-Luxembourg	-2,875	-4,509	-3,849	-1,415	427	-4,391	19,012	-3,513	-16,740	-7,854	-710	-27,019
Denmark	-178	-108	188	-174	662	410	-1,547	-1,977	-2,656	-2,869	-3,675	-4,144
France	-311	-503	-1,051	-927	-656	-1,554	-2,208	-1,656	-3,312	-3,200	-2,926	-3,840
Ireland	585	-208	-1,034	-525	-550	-1,068	-6,659	-846	-7,229	-5,500	-2,417	-6,317
Italy	-208	-422	-504	-523	-491	-659	-1,158	-586	-880	-992	-1,424	-2,686
Netherlands	-1,079	-178	-1,763	-864	-711	-5,572	-10,621	-3,551	-6,170	-2,786	-391	-5,730
United Kingdom	-503	-1,073	-1,652	-1,445	-730	-438	-870	-507	-320	-2,808	-3,695	-4,545
West Germany	-2,425	-2,318	-2,314	-1,541	-3,454	-8,183	-15,622	-9,636	-9,909	-6,315	-6,881	-11,933
Other Countries	1,244	301	4,281	4,584	6,357	12,673	19,673	15,246	13,741	16,616	20,699	12,176
Algeria	-870	-35	-248	-370	-187	-346	341	-1,317	-138	-1,197	-2,183	98
Argentina	-170	294	79	-128	36	1,036	296	-986	883	1,490	2,566	N.A.
Brazil	-194	500	-110	-797	-792	-800	-6,217	-4,922	-3,598	-1,137	-2,395	-4,433
Chile	-38	33	308	-18	-78	133	570	126	307	-224	-594	-455
Colombia	-54	85	-107	-239	7	129	-180	-30	43	405	132	-1,056
Egypt	-100	-274	-25	-115	-52	217	-835	-2,532	-2,285	-3,108	-4,990	-1,997
Hong Kong	-337	-426	-391	-516	-421	-591	-809	-748	-356	-837	-1,901	N.A.
India	-971	-1,151	-379	-386	210	-293	-1,210	-1,975	-114	-269	-1,261	-1,861
Indonesia	267	67	150	144	-28	332	3,584	2,332	2,874	4,623	4,953	8,388
Iran	284	446	962	1,952	1,631	2,812	16,142	9,868	10,608	10,176	6,411	9,262
Iraq	78	255	339	437	403	1,061	4,229	4,082	5,375	5,183	6,796	15,137
Israel	-334	-408	-1,307	-1,430	-1,330	-2,781	-3,547	-4,056	-3,252	-2,703	-3,482	-2,918
Kuwait	720	907	1,068	1,620	1,760	2,269	8,302	6,254	6,510	4,961	5,864	12,120
Libya	-158	686	2,278	2,141	1,382	1,641	4,367	2,500	5,094	5,979	4,900	7,338
Malaysia	276	139	268	191	57	538	91	277	1,467	1,538	1,484	3,223
Mexico	-422	-440	-1,058	-900	-1,020	-1,553	-3,069	-3,677	-2,610	-1,366	-1,597	-3,104
Nigeria	-129	-18	181	301	675	1,601	6,923	1,735	1,872	685	-2,223	8,109
Pakistan	-260	-519	-427	-251	13	-20	-619	-1,106	-1,014	-1,257	-1,810	-1,904

Peru	58	-52	442	154	153	30	-11	-1,259	-772	-308	-11	1,386
Philippines	-91	-196	-186	-227	-317	26	-739	-1,479	-1,425	-1,173	-1,804	-2,078
Saudi Arabia	657	890	1,647	2,629	3,380	5,716	28,340	23,782	27,742	26,554	17,513	31,598
Singapore	-196	-263	-907	-1,080	-1,207	-1,480	-2,570	-2,757	-2,485	-2,230	-2,915	-3,403
South Africa ¹	366	22	-488	-855	249	951	904	666	691	3,717	5,261	9,411
South Korea	-311	-288	-1,149	-1,326	-898	-1,015	-2,392	-2,193	-1,059	-764	-2,254	-5,284
Taiwan	-133	-108	-100	149	396	583	-1,467	-659	546	827	1,631	1,287
Thailand	-36	-120	-589	-457	-403	-485	-699	-1,072	-592	-1,126	-1,271	-1,854
Venezuela	1,016	910	634	807	715	2,081	6,643	2,796	2,469	-1,895	-3,235	3,758
Zaire	245	14	260	68	67	250	244	-40	236	379	336	726
Zambia	82	192	442	27	81	484	422	-328	238	65	69	N.A.

¹ Including data for Botswana, Lesotho, Swaziland, and Namibia.

Table 50

Million US \$

Big Seven: Direction of Trade ¹

	Exports to (f.o.b.)					Imports from (c.i.f.)						
	World	Big Seven	Other OECD	OPEC	Com-munist	Other	World	Big Seven	Other OECD	OPEC	Com-munist	Other
United States												
1974	98,524	45,865	15,686	6,725	3,113	27,135	108,012	53,514	10,179	16,776	1,090	26,453
1975	107,655	46,941	16,247	10,768	3,376	30,323	103,417	49,807	8,832	18,699	984	25,095
1976	115,006	51,299	17,675	12,568	3,639	29,825	129,566	60,387	9,752	27,168	1,161	31,098
1977	119,430	54,548	18,958	14,019	2,716	29,187	153,511	70,747	11,228	35,603	1,440	34,492
1978	141,320	62,860	21,219	16,654	4,505	36,082	177,396	87,405	14,624	32,969	1,979	40,419
1979	178,527	79,737	28,701	15,051	7,409	47,628	212,499	97,789	16,596	45,190	2,651	50,272
Japan												
1974	55,513	18,698	6,849	5,439	4,245	20,281	62,064	18,741	6,209	19,963	3,617	13,533
1975	55,728	16,559	6,067	8,416	5,166	19,523	57,847	16,932	6,081	19,402	3,364	12,069
1976	67,319	22,610	8,588	9,274	4,942	21,906	64,891	17,584	7,776	21,885	2,913	14,735
1977	78,508	28,034	9,720	12,026	5,334	23,394	70,028	18,877	7,923	24,325	3,412	15,491
1978	94,721	34,898	10,432	14,244	6,928	28,218	78,136	22,958	9,287	24,671	4,004	17,217
1979	97,952	37,543	10,167	13,272	7,479	29,490	107,353	30,667	10,761	36,049	5,484	24,393
West Germany												
1974	92,061	30,730	36,422	4,069	9,137	11,703	72,121	23,853	25,485	9,201	5,795	7,787
1975	93,293	28,332	36,444	6,783	10,399	11,335	77,634	27,088	27,782	8,236	6,226	8,302
1976	105,334	33,438	41,864	8,249	10,427	11,356	91,228	31,281	32,636	9,727	7,472	10,112
1977	117,781	39,003	48,006	10,777	7,304	12,690	100,886	36,391	37,372	10,119	4,922	12,082
1978	142,099	48,522	56,947	12,254	8,887	15,489	121,095	45,043	46,300	9,683	6,329	13,741
1979	171,355	61,682	69,829	10,486	10,402	18,955	158,815	58,748	58,954	14,787	8,819	17,506
France												
1974	46,384	19,363	14,895	3,019	1,992	7,115	52,897	22,060	13,612	10,113	1,678	5,432
1975	52,875	20,004	15,501	4,897	3,130	9,342	53,988	23,040	14,332	9,435	1,989	5,191
1976	57,054	22,489	16,153	5,080	3,232	10,100	64,384	27,812	16,930	11,360	2,240	6,044
1977	64,801	25,897	18,182	5,964	2,990	11,768	70,352	30,278	18,244	11,815	2,462	7,554
1978	79,163	32,736	21,705	6,501	3,290	14,932	81,611	36,564	22,129	11,887	2,807	8,224
1979	100,381	42,000	28,062	7,606	4,528	18,184	106,708	47,009	28,434	16,653	3,712	10,901
United Kingdom												
1974	38,561	11,736	15,628	2,553	1,266	7,377	54,125	18,198	18,069	8,702	1,798	7,358
1975	44,033	12,546	16,591	4,546	1,559	8,788	53,350	18,470	18,515	6,914	1,676	7,774
1976	46,118	14,027	17,535	5,130	1,390	8,036	55,563	19,656	18,811	7,290	2,081	7,723
1977	57,931	17,289	22,203	6,773	1,633	10,033	63,822	24,032	21,380	6,324	2,420	9,666
1978	71,517	22,118	26,820	8,437	2,111	12,029	78,323	31,303	28,220	6,377	2,555	9,867
1979	90,784	30,240	36,223	7,256	2,610	14,455	102,486	42,672	37,161	6,973	3,298	12,382

Italy													
1974	30,226	13,891	7,425	2,231	1,842	4,839	40,895	17,968	6,834	9,381	2,049	4,665	
1975	34,840	15,610	7,860	3,717	2,463	5,189	38,392	17,324	6,747	7,846	2,088	4,389	
1976	36,972	17,406	8,688	4,233	2,184	4,459	43,430	19,352	8,043	8,120	2,650	5,265	
1977	45,260	21,023	10,265	5,872	2,464	5,635	48,012	21,103	8,801	9,049	2,822	6,236	
1978	55,967	27,011	12,260	7,028	2,737	6,932	56,327	25,348	10,701	10,004	3,200	7,074	
1979	72,100	35,025	16,723	7,767	3,062	9,523	77,713	34,409	14,986	13,611	4,365	10,342	
Canada													
1974	34,510	27,130	1,925	530	810	4,116	36,734	28,326	1,737	2,830	358	3,482	
1975	33,841	26,300	1,725	712	1,198	3,907	38,592	29,782	1,703	3,430	325	3,353	
1976	40,176	32,015	2,032	813	1,253	4,063	43,046	33,549	1,821	3,485	379	3,815	
1977	43,485	34,985	2,196	1,198	1,078	4,028	44,765	35,945	1,788	3,053	336	3,644	
1978	48,036	38,599	2,059	1,333	1,425	4,620	49,158	40,067	1,972	2,913	373	3,833	
1979	58,092	45,695	3,034	1,382	1,732	6,249	60,149	49,079	2,368	3,252	537	4,912	

¹ Data are from the International Monetary Fund, *Direction of Trade*. Country totals in this table do not agree with totals in Tables 47 and 48 because of different practices of reporting data in the *International Financial Statistics* and the *Direction of Trade*.

Table 51

Million US \$

Big Seven: Exports, by Month

	Big Seven	United States	Japan	West Germany	France	United Kingdom	Italy	Canada
1975 Jan	36,098.5	9,373.4	5,015.0	7,982.6	4,400.4	3,564.8	2,900.1	2,862.2
Feb	35,483.3	8,754.6	4,831.0	7,957.6	4,673.0	3,545.0	3,004.4	2,717.6
Mar	34,098.5	8,685.2	4,669.0	7,012.6	4,603.2	3,727.8	2,839.7	2,561.0
Apr	34,919.0	8,647.6	4,681.0	8,333.6	4,557.1	3,268.5	2,824.9	2,616.2
May	33,128.5	8,221.5	4,446.0	7,199.3	4,389.3	3,740.6	2,561.3	2,570.5
Jun	34,879.0	8,715.5	4,403.0	8,033.3	4,689.4	3,398.7	2,928.4	2,710.7
Jul	34,646.9	8,871.0	4,375.0	7,817.6	4,642.4	3,421.4	2,907.8	2,611.8
Aug	32,922.1	8,979.9	4,385.0	6,625.3	4,315.9	3,139.9	2,951.8	2,524.4
Sep	33,767.8	9,104.2	4,331.0	7,176.8	4,140.2	3,298.6	2,965.0	2,751.9
Oct	34,567.3	9,225.7	4,547.0	7,362.4	4,118.9	3,663.6	2,933.6	2,716.1
Nov	34,808.7	9,408.9	4,443.0	7,338.1	4,373.7	3,498.1	3,002.6	2,744.4
Dec	35,318.2	9,249.9	4,793.0	7,343.5	4,314.6	3,695.5	3,037.6	2,884.2
1976 Jan	35,970.4	9,097.2	4,863.0	7,723.0	4,504.5	3,725.4	3,056.2	3,001.2
Feb	36,153.9	8,917.7	5,057.0	7,895.6	4,694.2	3,713.2	2,752.6	3,123.7
Mar	37,053.8	9,020.4	5,598.0	8,263.7	4,511.7	3,778.0	2,873.3	3,008.7
Apr	37,066.6	9,369.3	5,207.0	8,266.8	4,683.4	3,701.6	2,743.8	3,094.7
May	37,722.6	9,562.8	5,441.0	8,167.0	4,680.8	3,763.2	2,978.3	3,129.6
Jun	37,991.5	9,722.2	5,457.0	8,054.4	4,775.8	3,789.4	2,776.6	3,416.2
Jul	38,669.1	9,956.2	5,400.0	8,423.6	4,750.3	3,685.2	3,234.3	3,219.5
Aug	38,594.4	9,737.0	5,413.0	8,405.6	4,617.8	3,929.1	3,056.4	3,435.5
Sep	40,308.4	9,788.4	5,790.0	9,275.5	4,842.3	3,862.5	3,288.1	3,461.5
Oct	39,368.7	9,698.6	5,670.0	8,795.8	4,868.0	3,829.5	3,301.9	3,204.8
Nov	39,767.0	9,593.6	5,761.0	9,163.0	4,872.3	3,796.2	3,474.5	3,106.4
Dec	41,549.2	10,397.1	5,955.0	9,483.8	5,003.7	4,105.2	3,356.3	3,248.2
1977 Jan	41,195.4	9,625.7	6,307.0	9,050.9	5,082.5	4,264.5	3,523.5	3,341.2
Feb	41,766.2	9,921.8	6,392.0	9,272.4	5,096.4	4,184.4	3,479.5	3,419.6
Mar	43,539.6	10,250.2	6,426.0	9,905.4	5,268.0	4,299.7	3,606.7	3,783.7
Apr	42,910.4	10,261.8	6,536.0	9,236.1	5,116.7	4,554.1	3,606.9	3,598.8
May	42,928.8	10,466.6	6,336.0	9,585.3	5,188.3	4,488.7	3,572.5	3,291.4
Jun	43,802.3	10,109.1	6,485.0	9,911.4	5,340.6	4,791.5	3,801.1	3,363.6
Jul	43,690.3	10,285.5	6,675.0	9,453.1	5,387.9	4,705.9	3,595.7	3,587.2
Aug	44,219.4	9,575.7	6,663.0	9,971.8	5,512.3	4,960.7	3,959.7	3,576.1
Sep	45,092.9	10,847.7	6,695.0	9,891.5	5,652.8	5,060.8	3,647.9	3,297.2
Oct	44,062.0	9,384.8	6,709.0	10,174.9	5,795.6	4,863.2	3,523.1	3,611.4
Nov	44,677.0	9,554.0	7,042.0	10,425.8	5,752.2	4,846.7	4,014.3	3,042.0
Dec	47,619.3	10,216.1	6,957.0	10,969.1	5,936.6	5,146.2	4,842.6	3,551.6

1978	Jan	46,650.6	9,863.7	7,540.0	11,111.6	5,682.4	5,037.6	3,839.5	3,575.7
	Feb	48,514.8	9,945.0	7,884.0	11,070.5	5,936.5	5,803.4	4,063.5	3,812.0
	Mar	49,772.4	11,146.5	7,916.0	11,027.7	6,603.5	5,381.9	3,819.8	3,877.1
	Apr	51,323.7	11,630.4	7,448.0	11,683.7	6,417.8	5,461.0	4,558.2	4,124.6
	May	50,016.9	11,786.0	7,998.0	10,661.4	6,390.2	5,223.6	4,243.6	3,714.1
	Jun	51,941.1	12,268.2	7,858.0	12,270.8	6,376.9	5,364.7	4,270.4	3,532.1
	Jul	50,412.2	11,661.5	7,709.0	10,674.3	6,891.7	5,707.0	4,097.5	3,671.2
	Aug	53,086.2	12,293.7	8,146.0	12,123.7	6,584.9	5,841.9	4,401.5	3,694.4
	Sep	55,011.6	13,274.2	8,607.0	11,388.7	7,049.9	5,935.8	4,572.6	4,183.4
	Oct	57,150.0	12,901.1	8,115.0	13,551.6	7,398.3	6,165.7	5,185.9	3,832.4
	Nov	58,193.9	13,450.6	8,494.0	13,314.1	7,282.7	5,929.7	5,469.3	4,253.5
	Dec	58,062.2	13,282.5	7,864.0	12,338.6	7,093.0	6,200.7	7,170.3	4,113.1
1979	Jan	57,141.7	13,265.0	7,850.0	13,689.1	7,507.8	5,510.3	4,936.4	4,383.1
	Feb	58,526.3	13,615.5	8,210.0	13,325.5	7,680.6	5,060.1	6,490.2	4,144.4
	Mar	59,931.8	14,297.3	8,191.0	13,766.3	7,812.0	6,121.9	5,150.6	4,592.7
	Apr	60,391.1	13,978.8	7,828.0	13,665.2	7,762.4	7,497.4	5,275.1	4,384.3
	May	61,802.2	14,083.1	8,360.0	14,132.0	7,987.2	7,217.2	5,436.8	4,585.8
	Jun	62,193.9	14,817.3	8,233.0	13,665.3	7,983.2	7,303.2	5,749.6	4,442.2
	Jul	65,216.7	15,691.1	8,422.0	14,891.8	8,542.0	8,135.6	4,915.5	4,618.7
	Aug	67,277.5	15,713.3	8,525.0	14,895.1	8,526.3	7,871.4	7,070.0	4,676.4
	Sep	65,707.5	15,822.4	8,996.0	12,668.8	9,117.4	7,798.3	6,261.7	5,042.9
	Oct	68,914.0	16,680.0	8,510.0	15,688.0	8,895.3	7,481.2	6,599.7	5,059.8
	Nov	70,310.7	16,928.1	8,951.0	16,093.0	9,044.5	8,006.8	6,344.8	4,942.5
	Dec	71,084.9	16,741.6	9,087.0	14,193.7	9,593.9	8,299.6	7,991.1	5,177.9

Table 52

Million US \$

Big Seven: Imports, by Month

	Big Seven	United States	Japan	West Germany	France	United Kingdom	Italy	Canada
January 1975	35,022.9	9,635.5	4,443.0	5,874.0	4,434.8	4,521.6	3,115.1	2,998.9
February 1975	32,457.0	7,927.6	4,137.0	6,036.0	4,392.2	4,339.7	2,758.9	2,865.6
March 1975	31,082.1	7,466.5	4,118.0	5,442.2	4,405.4	4,001.0	2,822.2	2,826.9
April 1975	32,372.6	7,958.5	4,018.0	6,752.7	4,169.4	4,098.0	2,657.8	2,718.1
May 1975	29,992.1	7,263.3	4,033.0	5,668.8	3,945.3	3,931.0	2,476.2	2,674.6
June 1975	31,579.5	7,102.5	3,883.0	6,093.4	4,397.6	3,967.0	3,147.6	2,988.4
July 1975	32,243.4	7,831.6	4,079.0	5,935.6	4,445.2	4,245.0	3,051.5	2,655.5
August 1975	30,984.2	7,876.7	4,005.0	5,450.4	4,034.1	3,987.8	2,722.5	2,907.8
September 1975	32,164.2	8,196.0	4,164.0	5,919.7	4,119.7	3,738.9	3,195.2	2,830.8
October 1975	33,042.2	8,169.3	4,361.0	6,115.7	4,476.1	4,074.7	3,037.6	2,807.8
November 1975	32,799.5	8,201.3	4,176.0	5,774.0	4,543.9	3,930.7	3,265.4	2,908.2
December 1975	33,805.7	8,521.5	4,356.0	6,099.8	4,456.8	4,089.7	3,371.1	2,910.8
January 1976	34,552.5	9,000.9	4,334.0	6,199.1	4,629.2	4,157.3	3,198.0	3,034.0
February 1976	35,318.7	9,032.5	4,396.0	6,579.9	4,838.2	4,177.3	3,078.5	3,216.3
March 1976	35,268.8	9,469.2	4,200.0	6,634.0	4,729.5	3,964.8	3,183.4	3,087.8
April 1976	36,357.5	9,643.3	4,373.0	6,949.3	4,828.8	4,178.4	3,115.1	3,269.6
May 1976	35,672.2	9,182.4	4,346.0	6,720.5	4,894.8	4,380.4	3,158.2	2,989.8
June 1976	37,165.7	10,153.4	4,499.0	6,628.6	4,947.4	4,351.9	3,243.2	3,342.2
July 1976	38,313.5	10,717.2	4,661.0	6,943.4	4,998.0	4,523.0	3,283.3	3,187.6
August 1976	38,919.3	10,447.2	4,922.0	7,300.6	5,199.2	4,340.9	3,504.3	3,205.1
September 1976	39,544.5	10,651.0	5,052.0	7,187.5	5,517.2	4,466.4	3,482.7	3,187.7
October 1976	38,908.0	10,555.1	4,891.0	7,186.5	5,538.8	4,303.5	3,421.6	3,011.5
November 1976	40,840.9	10,622.9	5,171.0	7,516.8	5,630.7	4,540.7	4,164.1	3,194.7
December 1976	40,682.6	11,020.4	5,121.0	8,034.1	5,276.4	4,464.0	3,546.9	3,219.8
January 1977	42,006.6	11,804.2	5,062.0	7,529.5	5,579.1	5,181.2	3,662.3	3,188.2
February 1977	42,716.7	13,174.9	5,015.0	7,570.8	5,422.2	4,499.1	3,714.4	3,320.4
March 1977	44,134.6	13,537.1	5,145.0	8,097.8	5,543.4	4,717.0	3,710.2	3,384.1
April 1977	42,422.4	12,675.8	5,043.0	7,546.9	5,221.1	4,801.6	3,627.5	3,506.5
May 1977	42,219.0	11,947.1	5,130.0	7,835.9	5,404.9	4,964.7	3,623.1	3,313.3
June 1977	45,547.7	14,483.3	5,081.0	7,929.5	5,754.1	5,303.9	3,671.1	3,324.8
July 1977	43,952.2	13,206.9	5,079.0	8,110.8	5,650.9	5,127.8	3,462.0	3,314.8
August 1977	43,964.7	12,907.6	5,500.0	8,086.8	5,825.5	4,685.8	3,638.8	3,320.2
September 1977	44,077.5	13,548.4	5,075.0	8,112.7	5,598.1	4,970.2	3,500.9	3,272.2
October 1977	43,927.8	13,240.5	5,288.0	7,955.3	5,628.7	4,804.8	3,726.9	3,283.6
November 1977	44,193.7	12,820.8	5,306.0	8,612.4	6,036.3	4,750.2	3,691.6	2,976.4
December 1977	47,142.4	14,220.7	5,341.0	8,903.8	5,678.9	5,314.9	4,510.4	3,172.6

January 1978	46,250.7	13,102.6	5,380.0	9,248.3	6,019.7	5,666.6	3,589.4	3,244.2
February 1978	47,688.8	14,259.5	5,431.0	9,005.9	5,910.1	5,758.8	3,755.3	3,568.2
March 1978	47,158.8	14,004.1	5,162.0	8,935.7	6,288.6	5,944.4	3,667.4	3,156.7
April 1978	49,168.6	14,491.5	5,644.0	9,520.6	6,341.0	5,230.4	3,927.7	4,013.3
May 1978	48,232.1	14,008.5	5,917.0	8,968.1	6,297.7	5,554.5	4,050.4	3,435.8
June 1978	47,456.4	13,970.3	4,877.0	9,481.8	6,386.5	5,577.8	3,681.2	3,481.8
July 1978	50,287.0	14,544.7	5,560.0	9,145.5	6,642.1	5,985.6	4,727.9	3,681.2
August 1978	49,927.8	14,132.6	6,023.0	9,583.8	6,820.2	5,845.8	3,959.4	3,563.0
September 1978	51,809.6	14,819.7	6,219.0	9,817.6	6,845.2	6,362.6	4,001.0	3,744.5
October 1978	54,593.4	14,851.6	7,282.0	10,785.1	7,252.0	6,093.5	4,537.9	3,791.2
November 1978	54,970.5	14,824.7	6,879.0	10,890.5	7,129.8	6,157.5	5,142.1	3,946.8
December 1978	55,924.4	15,031.8	6,415.0	10,171.8	7,339.0	6,119.4	6,781.4	4,065.9
January 1979	57,399.0	16,527.6	6,986.0	11,517.9	7,495.8	5,871.3	4,836.5	4,164.0
February 1979	56,764.0	14,605.0	7,208.0	11,198.2	7,682.7	6,633.3	5,421.0	4,015.7
March 1979	59,641.4	15,357.5	7,485.0	11,846.6	7,530.5	7,436.3	5,424.8	4,560.8
April 1979	58,923.7	15,841.4	7,602.0	11,234.1	7,652.7	7,837.4	4,492.4	4,263.6
May 1979	62,761.0	16,438.3	7,567.0	12,727.5	8,264.7	7,807.5	5,509.0	4,447.0
June 1979	61,800.0	16,835.4	7,494.0	11,655.8	8,244.6	7,790.7	5,687.7	4,091.9
July 1979	66,289.0	16,806.1	8,675.0	13,572.5	8,913.7	8,196.6	5,614.1	4,511.0
August 1979	68,646.3	18,277.2	8,744.0	13,181.2	9,132.9	8,377.2	6,299.4	4,634.4
September 1979	68,940.0	18,407.1	9,455.0	12,471.8	9,520.3	8,261.9	6,127.6	4,696.2
October 1979	71,157.5	19,037.1	8,970.0	14,308.6	9,596.6	8,378.8	6,083.5	4,782.9
November 1979	72,957.3	18,548.4	9,637.0	14,499.1	9,372.7	8,166.5	8,028.3	4,705.3
December 1979	74,447.4	19,665.0	9,422.0	13,404.1	9,821.9	8,853.9	8,660.5	4,619.9

Table 53

Million US \$

Big Seven: Exports, by Commodity

	1970	1971	1972	1973	1974	1975	1976	1977	1978
Big Seven	163,218	182,754	213,386	289,309	390,045	415,790	461,064	525,724	631,356
Foodstuffs	15,946	18,077	22,069	35,087	42,784	44,765	46,631	51,047	63,306
Raw materials	13,319	12,518	14,432	20,892	28,068	24,164	27,906	30,277	33,768
Fuels	5,274	5,930	6,696	8,878	17,328	18,085	18,548	20,677	23,403
Manufactures	124,555	141,675	165,034	217,350	293,144	318,916	357,692	410,778	495,235
Other	4,124	4,554	5,156	7,102	8,723	9,862	10,288	12,946	15,649
United States	43,226	44,137	49,676	71,314	98,506	107,652	114,997	120,163	143,660
Foodstuffs	6,919	7,179	8,846	16,775	20,741	21,105	22,098	22,710	28,709
Raw materials	4,114	3,356	3,819	6,123	8,038	7,538	7,996	8,588	10,765
Fuels	1,695	1,592	1,674	1,672	3,445	4,481	4,228	4,199	3,980
Manufactures	28,762	30,254	33,478	44,377	63,211	70,961	77,425	80,821	95,730
Other	1,736	1,756	1,858	2,368	3,072	3,568	3,251	3,847	4,478
Canada	16,185	17,675	20,178	25,207	32,783	32,300	38,370	41,293	44,080
Foodstuffs	1,975	2,346	2,602	3,572	4,384	4,399	4,669	4,811	5,038
Raw materials	4,850	4,807	5,302	6,938	8,516	7,450	9,485	10,140	10,170
Fuels	978	1,262	1,734	2,466	5,179	5,334	5,300	5,171	4,815
Manufactures	8,262	9,172	10,432	12,008	14,522	14,842	18,613	20,947	23,829
Other	119	88	109	224	183	276	304	223	227
Japan	19,319	24,019	28,591	36,931	55,538	55,728	67,203	80,470	97,501
Foodstuffs	674	724	693	878	934	808	939	945	1,167
Raw materials	433	507	628	819	2,059	1,262	1,225	1,351	1,366
Fuels	48	63	74	92	251	220	117	156	261
Manufactures	17,965	22,493	26,887	34,677	51,416	52,638	64,155	77,288	93,848
Other	200	233	309	464	877	800	767	731	860
West Germany	34,189	39,040	46,208	67,437	89,165	90,021	102,032	117,932	142,090
Foodstuffs	1,188	1,460	1,837	3,040	3,911	4,241	4,529	5,902	6,912
Raw materials	1,192	1,215	1,391	2,277	3,271	2,643	3,246	3,350	3,878
Fuels	1,011	1,163	1,214	1,717	3,080	2,813	2,933	3,120	4,509
Manufactures	30,232	34,542	41,029	59,510	77,745	78,706	89,622	103,172	124,047
Other	565	660	737	893	1,159	1,618	1,703	2,389	2,744
France	17,739	20,420	25,842	35,662	45,139	51,604	55,463	63,363	76,494
Foodstuffs	2,803	3,576	4,739	6,759	7,858	8,069	8,461	9,233	11,896
Raw materials	1,199	1,167	1,507	2,253	3,072	2,628	2,991	3,238	3,734
Fuels	376	455	583	763	1,213	1,410	1,615	1,893	2,047
Manufactures	13,147	15,010	18,766	25,567	32,458	39,052	41,795	48,316	58,488
Other	214	213	245	319	539	445	602	684	330

United Kingdom	19,351	22,353	24,344	30,535	38,662	43,660	46,032	57,439	71,483
Foodstuffs	1,259	1,459	1,680	2,196	2,576	3,221	3,112	3,980	5,709
Raw materials	1,190	1,120	1,390	1,962	2,394	1,961	2,240	2,468	2,876
Fuels	496	575	596	907	1,798	1,798	2,252	3,609	4,497
Manufactures	15,151	17,634	18,846	22,692	29,070	33,682	34,985	42,323	51,658
Other	1,253	1,565	1,832	2,778	2,824	2,998	3,442	5,059	6,743
Italy	13,210	15,111	18,548	22,223	30,252	34,825	36,966	45,062	56,048
Foodstuffs	1,127	1,332	1,672	1,867	2,381	2,921	2,823	3,466	3,876
Raw materials	341	347	394	520	718	682	724	1,142	978
Fuels	669	821	821	1,260	2,361	2,030	2,104	2,530	3,295
Manufactures	11,036	12,570	15,596	18,520	24,721	29,035	31,097	37,912	47,633
Other	37	40	65	56	70	157	218	13	267

Table 54

Million US \$

Big Seven: Imports, by Commodity

	1970	1971	1972	1973	1974	1975	1976	1977	1978
Big Seven	157,592	176,161	211,568	288,936	411,342	408,071	474,774	539,211	629,790
Foodstuffs	27,228	29,860	35,138	48,679	57,148	60,387	64,640	75,501	85,237
Raw materials	27,828	25,577	29,256	43,396	55,748	45,582	53,969	57,101	63,630
Fuels	17,018	21,541	24,810	36,709	100,582	101,364	117,702	132,710	135,166
Manufactures	81,261	93,893	116,347	152,637	189,535	190,483	227,683	261,396	329,210
Other	4,260	5,291	6,017	7,515	8,329	10,255	10,779	12,503	16,547
United States	39,962	45,601	55,554	69,120	100,971	96,941	121,792	147,847	173,290
Foodstuffs	6,446	6,627	7,593	9,518	11,295	10,518	12,399	14,680	16,287
Raw materials	4,687	4,708	5,583	7,170	9,647	8,116	10,163	11,381	13,777
Fuels	3,081	3,715	4,799	8,101	25,350	26,403	33,928	44,198	42,018
Manufactures	23,988	28,550	35,264	41,607	51,540	48,526	61,588	73,264	95,895
Other	1,761	2,002	2,316	2,725	3,138	3,377	3,713	4,323	5,309
Canada	13,348	15,458	18,923	23,316	32,296	33,954	37,934	39,485	41,697
Foodstuffs	1,153	1,230	1,486	2,084	2,782	2,817	3,090	3,303	3,381
Raw materials	727	794	925	1,225	1,641	1,578	1,719	1,639	1,775
Fuels	749	907	1,085	1,324	3,391	4,090	4,103	3,920	3,770
Manufactures	10,518	12,326	15,147	18,384	24,123	25,071	28,405	30,116	32,268
Other	202	200	281	300	359	397	616	506	503
Japan	18,883	19,712	23,471	38,313	62,094	57,840	64,505	70,560	78,731
Foodstuffs	3,195	3,584	4,353	7,248	9,676	10,344	10,805	11,872	13,250
Raw materials	7,188	6,498	7,394	12,725	14,936	11,421	13,293	14,340	15,974
Fuels	3,906	4,753	5,715	8,344	24,921	25,641	28,287	31,149	31,336
Manufactures	4,381	4,575	5,556	9,357	12,083	9,849	11,455	12,442	16,782
Other	213	301	453	640	479	584	664	759	1,392
West Germany	29,814	34,341	39,763	54,496	68,975	74,208	87,783	100,701	120,668
Foodstuffs	5,524	6,314	7,425	10,193	11,054	12,092	13,711	16,245	18,368
Raw materials	5,109	4,585	5,070	7,192	9,181	8,095	9,567	10,069	11,056
Fuels	2,627	3,502	3,672	6,211	13,308	13,099	15,828	17,230	19,538
Manufactures	15,608	18,562	22,344	29,467	33,698	38,760	46,048	54,653	68,684
Other	947	1,378	1,252	1,432	1,735	2,163	2,631	2,506	3,023
France	18,922	21,137	26,715	37,055	52,174	53,606	64,016	70,276	81,865
Foodstuffs	2,798	2,974	3,675	5,207	5,692	6,921	7,576	9,794	11,500
Raw materials	2,675	2,514	3,077	4,499	6,104	5,050	5,946	6,159	6,532
Fuels	2,291	2,933	3,533	4,581	11,945	12,260	14,369	15,089	15,937
Manufactures	11,103	12,660	16,355	22,650	28,274	29,210	35,946	38,994	47,453
Other	55	56	75	117	159	165	179	240	443

United Kingdom	21,724	23,944	27,860	38,843	54,149	53,595	55,951	63,658	78,425
Foodstuffs	5,267	5,662	6,244	8,161	9,691	10,345	9,686	11,388	12,806
Raw materials	4,342	3,797	3,986	5,697	7,342	6,048	6,790	6,922	6,991
Fuels	2,270	3,042	3,108	4,232	10,841	9,613	10,137	9,123	9,220
Manufactures	8,804	10,157	12,974	18,544	23,905	24,180	26,502	32,229	43,823
Other	1,042	1,286	1,548	2,209	2,370	3,409	2,835	3,995	5,585
Italy	14,939	15,968	19,282	27,793	40,682	37,928	42,794	46,683	55,115
Foodstuffs	2,846	3,469	4,363	6,267	6,958	7,350	7,374	8,219	9,647
Raw materials	3,100	2,680	3,222	4,889	6,896	5,274	6,491	6,590	7,525
Fuels	2,095	2,688	2,899	3,918	10,828	10,258	11,050	12,002	13,346
Manufactures	6,859	7,063	8,707	12,628	15,912	14,888	17,739	19,699	24,306
Other	40	67	93	92	88	159	140	173	291

Table 55

Million US \$

Big Seven: Trade Balance, by Commodity

	1970	1971	1972	1973	1974	1975	1976	1977	1978
Big Seven	5,626	6,592	1,818	373	-21,297	7,719	-13,710	-13,487	1,567
Foodstuffs	-11,282	-11,784	-13,069	-13,592	-14,364	-15,622	-18,009	-24,454	-21,931
Raw materials	-14,508	-13,059	-14,825	-22,504	-27,680	-21,418	-26,063	-26,824	-29,862
Fuels	-11,744	-15,611	-18,114	-27,832	-83,254	-83,279	-99,154	-112,033	-111,763
Manufactures	43,294	47,782	48,687	64,713	103,609	128,433	130,009	149,382	166,024
Other	-136	-737	-861	-413	394	-393	-491	444	-898
United States	3,264	-1,465	-5,879	2,194	-2,465	10,711	-6,795	-27,684	-29,630
Foodstuffs	473	552	1,254	7,257	9,445	10,587	9,699	8,030	12,422
Raw materials	-573	-1,352	-1,764	-1,047	-1,609	-578	-2,167	-2,793	-3,012
Fuels	-1,386	-2,123	-3,125	-6,429	-21,905	-21,923	-29,700	-39,999	-38,038
Manufactures	4,774	1,704	-1,786	2,770	11,671	22,435	15,837	7,557	-165
Other	-24	-246	-458	-357	-67	191	-462	-476	-831
Canada	2,836	2,216	1,255	1,891	487	-1,654	437	1,808	2,383
Foodstuffs	823	1,116	1,116	1,488	1,601	1,582	1,579	1,508	1,658
Raw materials	4,123	4,012	4,337	5,714	6,874	5,872	7,765	8,501	8,395
Fuels	229	354	649	1,142	1,788	1,243	1,197	1,251	1,045
Manufactures	-2,255	-3,154	-4,715	-6,376	-9,601	-10,229	-9,792	-9,169	-8,439
Other	-83	-112	-171	-76	-176	-121	-312	-283	-276
Japan	437	4,307	5,120	-1,382	-6,557	-2,112	2,698	9,910	18,770
Foodstuffs	-2,521	-2,860	-3,660	-6,370	-8,742	-9,536	-9,866	-10,927	-12,083
Raw materials	-6,755	-5,991	-6,766	-11,906	-12,878	-10,158	-12,068	-12,989	-14,608
Fuels	-3,858	-4,691	-5,641	-8,251	-24,669	-25,422	-28,170	-30,993	-31,076
Manufactures	13,584	17,917	21,331	25,320	39,333	42,788	52,700	64,846	77,067
Other	-13	-69	-143	-176	399	216	102	-28	-532
West Germany	4,375	4,698	6,444	12,941	20,190	15,814	14,249	17,232	21,422
Foodstuffs	-4,335	-4,854	-5,588	-7,153	-7,142	-7,850	-9,182	-10,343	-11,456
Raw materials	-3,917	-3,371	-3,678	-4,915	-5,911	-5,452	-6,321	-6,719	-7,177
Fuels	-1,616	-2,340	-2,458	-4,494	-10,229	-10,286	-12,895	-14,110	-15,030
Manufactures	14,624	15,981	18,684	30,043	44,048	39,946	43,574	48,519	55,363
Other	-382	-718	-515	-540	-576	-545	-928	-117	-279
France	-1,184	-717	-874	-1,393	-7,034	-2,002	-8,553	-6,912	-5,370
Foodstuffs	5	602	1,064	1,551	2,165	1,148	886	-561	396
Raw materials	-1,476	-1,347	-1,570	-2,246	-3,032	-2,422	-2,956	-2,922	-2,798
Fuels	-1,915	-2,478	-2,950	-3,817	-10,731	-10,850	-12,755	-13,197	-13,890
Manufactures	2,044	2,350	2,412	2,917	4,184	9,842	5,849	9,322	11,035
Other	158	156	170	202	380	280	423	444	-113

United Kingdom	- 2,373	- 1,590	- 3,515	- 8,309	- 15,488	- 9,935	- 9,919	- 6,219	- 6,941
Foodstuffs	- 4,007	- 4,202	- 4,563	- 5,965	- 7,116	- 7,124	- 6,574	- 7,408	- 7,096
Raw materials	- 3,151	- 2,677	- 2,596	- 3,736	- 4,947	- 4,087	- 4,549	- 4,454	- 4,115
Fuels	- 1,773	- 2,467	- 2,511	- 3,325	- 9,042	- 7,815	- 7,885	- 5,514	- 4,724
Manufactures	6,348	7,478	5,872	4,148	5,164	9,502	8,483	10,094	7,835
Other	211	279	284	569	453	- 412	607	1,064	1,158
Italy	- 1,729	- 858	- 734	- 5,570	- 10,430	- 3,103	- 5,827	- 1,621	934
Foodstuffs	- 1,719	- 2,137	- 2,691	- 4,400	- 4,577	- 4,428	- 4,551	- 4,753	- 5,771
Raw materials	- 2,760	- 2,334	- 2,827	- 4,369	- 6,178	- 4,592	- 5,767	- 5,448	- 6,547
Fuels	- 1,426	- 1,867	- 2,078	- 2,658	- 8,466	- 8,227	- 8,946	- 9,472	- 10,051
Manufactures	4,177	5,507	6,889	5,892	8,809	14,147	13,359	18,213	23,327
Other	- 3	- 27	- 28	- 36	- 18	- 2	78	- 160	- 24

Table 56

1970=100

Selected Non-OPEC LDCs: Indexes of Export Prices, Import Prices, and Terms of Trade¹

	1973	1974	1975	1976	1977	1978
Non-OPEC LDCs ²						
Export	139	191	185	194	224	233
Import	137	206	217	217	230	252
Terms of Trade	101	93	85	89	97	92
Brazil						
Export	150	189	189	217	266	238
Import	139	210	217	224	232	239
Terms of Trade	108	90	87	97	115	100
Colombia						
Export	132	172	175	257	378	317
Import	126	158	173	182	192	215
Terms of Trade	105	109	101	141	197	147
El Salvador						
Export	129	161	164	241	317	N.A.
Import	126	179	197	193	193	N.A.
Terms of Trade	102	90	83	125	164	N.A.
Ethiopia						
Export	128	138	123	219	222	220
Import	135	147	155	164	177	197
Terms of Trade	95	94	79	134	125	112
India						
Export	132	160	172	170	199	212
Import	127	194	226	219	210	228
Terms of Trade	104	82	76	78	95	93
Jordan						
Export	123	256	291	253	245	259
Import	145	189	259	223	257	251
Terms of Trade	85	135	112	113	95	103
Kenya						
Export	124	156	175	208	299	273
Import	133	179	221	225	245	261
Terms of Trade	93	87	79	92	122	105
Malaysia						
Export	157	220	183	205	242	273
Import	163	234	249	239	254	276
Terms of Trade	96	94	73	86	95	99

Mauritius									
Export	154	364	454	336	332	350			
Import	154	239	257	257	283	324			
Terms of Trade	100	152	177	131	117	108			
Morocco									
Export	137	265	308	222	206	234			
Import	158	213	232	211	160	N.A.			
Terms of Trade	87	124	133	105	129	N.A.			
Pakistan									
Export	151	196	173	189	227	227			
Import	113	194	220	211	218	231			
Terms of Trade	134	101	79	90	104	98			
Philippines									
Export	124	212	168	148	150	168			
Import	137	247	258	255	283	289			
Terms of Trade	91	86	65	58	53	58			
South Korea									
Export	126	160	148	166	181	200			
Import	135	210	217	212	217	230			
Terms of Trade	93	76	68	78	83	87			
Sri Lanka									
Export	108	162	143	143	212	227			
Import	138	235	261	191	219	240			
Terms of Trade	78	69	55	75	97	95			
Syria									
Export	174	338	291	355	378	405			
Import	168	245	273	324	294	314			
Terms of Trade	104	138	107	110	129	129			
Thailand									
Export	158	240	212	206	210	227			
Import	131	215	239	251	270	294			
Terms of Trade	121	112	89	82	78	77			
Tunisia									
Export	180	359	395	328	340	375			
Import	140	178	215	198	202	213			
Terms of Trade	129	202	184	166	168	176			

¹ Data are from the *International Financial Statistics*. US dollar indexes for total exports and total imports converted from national data, with the original 1975 comparison base shifted to 1970.

² IMF used an estimated average derived from available national data for "other developed areas" including Cyprus, Ecuador, and Israel.

Table 57

Billion US \$

Selected Countries: Oil Import Bill ¹

	1965	1970	1972	1973	1974	1975	1976	1977	1978	1979
OECD										
United States ²	2.1	2.3	3.9	7.0	23.4	23.8	30.8	40.2	37.7	56.0
Japan	1.3	2.7	4.4	6.7	20.9	20.8	23.2	25.7	25.5	38.0
Spain	0.2	0.4	0.7	0.9	3.1	3.5	4.3	4.3	4.5	7.0
European Community										
France	0.9	1.6	2.6	3.3	9.7	9.3	11.2	11.2	11.5	16.2
Italy	0.6	1.2	1.8	2.4	8.0	7.3	8.0	8.4	8.7	11.9
Netherlands	0.2	0.3	0.5	0.5	1.5	1.6	2.5	2.8	2.7	4.6
United Kingdom	1.4	1.8	2.4	3.3	9.0	7.7	7.8	5.4	4.4	2.3
West Germany	1.0	2.0	2.9	5.1	11.2	10.7	12.9	13.6	14.7	24.5

¹ Total cost of imported crude oil and petroleum products (on a c.i.f. basis) less earnings of exports of these items (on an f.o.b. basis).

² On an f.o.b. basis.

Soviet Foreign Trade ¹

	Total Trade	Communist Countries					Non-Communist Countries		
		Total	Eastern Europe	China	Other Asian	Other ²	Total	Developed Countries	Less Developed Countries
1960	Exports 5,558 Imports 5,623	4,209 3,977	3,071 2,792	816 847	66 101	256 237	1,348 1,645	996 1,098	353 547
1965	Exports 8,166 Imports 8,050	5,554 5,605	4,548 4,668	191 225	167 120	647 592	2,612 2,444	1,473 1,620	1,139 824
1970	Exports 12,787 Imports 11,720	8,359 7,630	6,752 6,627	25 22	415 156	1,167 826	4,428 4,089	2,414 2,814	2,014 1,275
1971	Exports 13,792 Imports 12,467	9,009 8,169	7,234 7,250	78 76	521 160	1,176 683	4,783 4,298	2,794 2,904	1,989 1,394
1972	Exports 15,409 Imports 16,104	10,020 10,307	8,139 9,301	121 134	418 183	1,341 690	5,390 5,797	3,044 4,164	2,346 1,633
1973	Exports 21,332 Imports 20,980	12,305 12,442	9,964 10,925	136 136	495 230	1,710 1,151	9,027 8,538	5,125 6,191	3,902 2,347
1974	Exports 27,374 Imports 24,861	14,641 13,586 ³	11,491 11,352	143 139	510 254	2,497 1,841	12,733 11,275	8,226 8,092	4,507 3,183
1975	Exports 33,401 Imports 37,070	20,271 19,415	16,494 15,723	129 150	480 277	3,168 3,265	13,130 17,654	8,382 13,473	4,748 4,181
1976	Exports 37,269 Imports 38,212	21,890 20,088	17,432 16,261	239 179	565 242	3,654 3,406	15,378 18,123	10,269 14,360	5,109 3,763
1977	Exports 45,227 Imports 40,926	26,009 23,354	20,762 18,839	161 177	628 400	4,458 3,938	19,219 17,573	12,226 13,416	6,993 4,157
1978	Exports 52,395 Imports 50,795	31,244 30,495	24,910 24,661	241 257	726 521	5,367 5,056	21,151 20,300	12,932 16,228	8,219 4,072
1979	Exports 64,913 Imports 57,961	36,152 32,801	28,380 26,751	268 241	1,081 618	6,423 5,191	28,761 25,160	19,586 19,718	9,175 5,442

¹ Official Soviet statistics using US dollar exchange rates for the Soviet foreign exchange ruble as announced by the State Bank of the USSR. Exports and imports are f.o.b.

² Yugoslavia, Mongolia, and Cuba.

³ A sum of \$15 million in Soviet imports from Communist countries is not identified by country.

Table 59

Million US \$

Soviet Exports¹

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977	1978
Total exports	5,558	8,166	12,787	13,792	15,409	21,332	27,374	33,401	37,269	45,227	52,395
Machinery and equipment	1,141	1,634	2,753	3,002	3,637	4,655	5,246	6,230	7,219	8,493	10,277
Fuels, lubricants, and related materials	902	1,403	1,986	2,465	2,717	4,089	6,930	10,470	12,773	15,853	18,695
Coal and coke ²	242	384	408	488	527	583	746	1,399	1,350	1,422	143
Petroleum and petroleum products	657	998	1,469	1,829	2,013	3,244	5,745	8,212	10,210	12,778	14,776
Ores and concentrates	243	310	403	419	466	548	595	867	839	829	887
Iron ore	175	250	325	334	387	465	491	692	629	599	628
Base metals and manufactures	837	1,329	1,978	2,061	2,300	2,842	3,153	3,813	3,873	2,817	2,987
Ferrous metals	642	997	1,351	1,363	1,427	1,671	1,796	2,673	2,734	2,814	2,987
Rollled ferrous metals	480	716	961	952	988	1,090	1,132	1,794	1,879	1,889	2,020
Nonferrous metals	195	331	627	698	873	1,171	1,358	1,140	1,138	6	N.A.
Aluminum	35	111	184	199	247	313	358	356	N.A.	N.A.	N.A.
Chemicals	150	244	364	396	439	549	887	1,027	939	1,063	1,284
Wood and wood products	305	593	831	864	940	1,378	1,899	1,916	1,995	2,299	2,339
Lumber	183	312	333	352	373	503	748	780	817	934	936
Textile raw materials and semimanufactures	358	421	437	455	584	696	913	976	1,067	1,448	1,313
Cotton fiber	288	334	372	399	526	631	850	917	1,013	1,372	1,229
Consumer goods	908	904	1,356	1,593	1,277	1,673	2,568	2,383	2,020	2,327	2,288
Food (foodstuffs)	702	664	1,019	1,240	860	1,149	1,912	1,556	1,106	1,388	1,149
Grain ³	467	270	399	602	329	485	822	508	213	515	207
Other consumer goods	205	240	337	353	418	524	656	827	913	939	1,138
Other and unspecified	714	1,328	2,679	2,537	3,049	4,902	5,183	5,719	6,544	10,098	12,325

¹ Official Soviet statistics using US dollar exchange rates for the Soviet foreign exchange ruble as announced by the State Bank of the USSR. Exports are f.o.b.

² Including small amounts of charcoal and other solid fuels.

³ Excluding wheat flour.

Table 60

Million US \$

Soviet Imports ¹

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977	1978
Total imports	5,623	8,050	11,720	12,467	16,104	20,980	24,861	37,070	38,212	40,926	50,795
Machinery and equipment	1,673	2,690	4,166	4,237	5,577	7,206	8,057	12,574	13,868	15,587	21,354
Transportation equipment	659	990	1,232	1,094	1,315	1,677	1,826	3,326	3,123	3,142	N.A.
Fuels, lubricants, and related materials	237	198	228	326	467	701	868	1,447	1,374	N.A.	N.A.
Coal and coke	93	123	124	149	196	224	215	499	480	N.A.	N.A.
Petroleum and petroleum products	144	75	82	123	191	367	452	695	661	N.A.	N.A.
Ores and concentrates	314	315	303	336	352	457	510	583	536	N.A.	N.A.
Base metals and manufactures	545	389	691	750	944	1,450	2,773	3,595	3,304	2,480	3,414
Ferrous metals	373	314	593	661	836	1,325	2,569	3,346	3,029	2,466	3,400
Rolled ferrous metals	338	287	568	632	792	1,258	2,462	3,197	2,865	2,287	3,176
Nonferrous metals	172	75	98	89	108	125	204	249	275	N.A.	14
Tin	35	21	30	14	15	17	38	65	N.A.	N.A.	N.A.
Chemicals	149	373	618	702	868	954	1,448	1,747	1,668	1,850	2,188
Rubber and rubber products	196	199	192	154	145	213	365	307	357	N.A.	N.A.
Wood and wood products	105	150	248	259	288	338	473	796	670	723	747
Textile raw materials and semimanufactures	364	358	561	562	531	777	1,018	887	894	1,087	1,025
Cotton fiber	180	162	249	252	183	200	338	271	234	226	93
Wool fiber	118	100	120	113	123	371	358	265	304	373	420
Consumer goods	1,573	2,656	3,789	4,140	5,517	7,074	7,506	12,720	12,574	12,744	14,692
Food	613	1,512	1,590	1,588	2,479	3,704	3,824	7,844	7,736	7,490	8,794
Wheat and wheat flour	10	424	139	174	540	1,042	350	1,711	1,198	1,016	1,026
Other consumer goods	960	1,144	2,199	2,552	3,037	3,370	3,682	4,876	4,838	5,254	5,898
Other and unspecified	466	723	926	1,002	1,416	1,809	1,844	2,414	2,967	6,455	7,375

¹ Official Soviet statistics using US dollar exchange rates for the Soviet foreign exchange ruble as announced by the State Bank of the USSR. Imports are f.o.b.

Million US \$

Chinese Foreign Trade ¹

	Total Trade	Communist Countries			Non-Communist Countries		
		Total	Eastern Europe	USSR	Other ²	Total	Developed Countries ³ Less Developed Countries ³
1965	Exports Imports	2,035 1,680	95 110	225 190	330 215	1,385 1,165	575 805
1966	Exports Imports	2,210 1,855	130 140	145 175	310 190	1,625 1,350	715 1,005
1967	Exports Imports	1,960 1,780	110 135	55 50	320 160	1,475 1,435	635 1,200
1968	Exports Imports	1,960 1,660	140 135	35 60	325 145	1,460 1,320	620 1,110
1969	Exports Imports	2,060 1,670	145 120	30 25	315 150	1,570 1,375	685 1,110
1970	Exports Imports	2,150 2,045	255 225	20 25	205 140	1,680 1,655	660 1,370
1971	Exports Imports	2,535 2,145	290 290	75 80	220 145	1,950 1,630	760 1,290
1972	Exports Imports	3,225 2,585	345 305	135 120	260 130	2,485 2,030	1,095 1,525
1973	Exports Imports	5,105 4,625	435 370	135 135	435 205	4,100 3,915	1,825 3,125
1974	Exports Imports	6,740 6,805	565 530	140 145	745 290	5,290 5,840	2,410 4,785
1975	Exports Imports	7,120 6,830	625 595	150 130	590 280	5,755 5,825	2,610 4,985
1976	Exports Imports	7,275 5,580	540 610	180 240	505 230	6,050 4,500	2,695 3,770
1977	Exports Imports	8,085 6,615	605 650	180 160	570 255	6,730 5,550	2,940 4,165
1978	Exports Imports	9,895 10,315	870 895	255 240	325 325	8,445 8,855	3,775 7,270
1979	Exports Imports	13,360 14,895	1,075 1,220	165 190	485 520	11,635 12,965	5,525 9,990

¹ Data are f.o.b. and rounded to the nearest US \$5 million.² Including data for Yugoslavia, Mongolia, Cuba, Albania, North Korea, and Vietnam.³ Including data for Hong Kong and Macao.

Table 62

Million US \$

Chinese Exports ¹

	1970			1975			1976			1977			1978		
	Total	Com-munist	Non-Com-munist	Total	Com-munist	Non-Com-munist	Total	Com-munist	Non-Com-munist	Total	Com-munist	Non-Com-munist	Total	Com-munist	Non-Com-munist
Total	2,150	480	1,680	7,120	1,370	5,755	7,275	1,225	6,050	8,085	1,355	6,730	9,895	1,450	8,445
Foodstuffs	680	90	590	2,110	385	1,725	1,955	295	1,660	1,960	305	1,655	2,225	240	1,985
Animals, meat, and fish	220	20	200	625	60	565	660	20	640	245	0	245	255	0	255
Grains	115	30	80	715	200	515	450	180	270	395	155	245	360	90	270
Fruits and vegetables	175	25	150	355	65	290	385	35	350	500	70	425	565	65	500
Crude materials, fuels, and edible oils	460	60	400	1,930	355	1,570	1,805	305	1,500	2,065	350	1,715	2,550	400	2,150
Oilseeds	65	0	65	140	5	135	85	5	80	85	15	70	90	15	70
Textile fibers	100	10	95	250	40	210	285	30	255	290	10	280	400	25	370
Crude animal materials	120	35	80	230	35	195	260	20	240	85	15	75	95	20	75
Petroleum	0	0	0	900	95	810	840	135	710	225	80	150	235	30	205
Chemicals	110	25	85	295	45	255	330	40	290	410	60	350	465	60	405
Manufactures	895	300	595	2,715	550	2,170	3,075	530	2,545	3,630	620	3,010	4,620	745	3,875
Textile yarn and fabric	350	80	270	1,055	225	835	1,240	225	1,015	1,235	225	1,010	1,705	245	1,455
Clothing	160	85	70	340	95	250	420	80	340	600	105	495	715	110	605
Iron and steel	40	25	15	85	25	60	105	25	80	95	30	70	155	35	115
Nonferrous metals	25	10	15	120	30	90	90	35	55	75	40	35	110	45	65
Other	15	5	10	70	35	35	110	55	55	20	20	0	35	5	30

¹ Data are f.o.b. and rounded to the nearest \$5 million. Estimates are based on data reported by trading partners. Where data are incomplete, as for most less developed countries and for many of the Communist countries, estimates are based on fragmentary information from trade agreements and press reports and on commodity breakdowns available for earlier years.

Table 63

Million US \$

Chinese Imports ¹

	1970			1975			1976			1977			1978		
	Total	Com-munist	Non-Com-munist	Total	Com-munist	Non-Com-munist	Total	Com-munist	Non-Com-munist	Total	Com-munist	Non-Com-munist	Total	Com-munist	Non-Com-munist
Total	2,045	390	1,655	6,830	1,005	5,825	5,580	1,080	4,500	6,615	1,065	5,550	10,315	1,460	8,855
Foodstuffs	360	70	290	820	100	715	520	90	430	1,005	70	935	1,320	120	1,200
Grains	255	0	250	625	10	610	300	0	300	655	0	655	955	0	955
Crude materials, fuels, and edible oils	385	90	295	960	195	770	830	190	640	1,405	195	1,210	1,735	175	1,560
Rubber	70	0	70	145	10	130	145	15	130	205	15	190	185	0	185
Textile fibers	100	0	100	330	0	325	285	0	280	580	70	500	840	5	835
Chemicals	220	15	205	760	65	695	560	110	450	835	95	740	1,125	155	970
Fertilizer	130	0	125	375	40	335	215	95	125	320	65	255	410	110	300
Manufactures	1,075	215	860	4,245	630	3,615	3,615	655	2,960	3,340	710	2,630	6,095	1,010	5,085
Textile yarn and fabric	40	0	40	80	0	80	115	0	115	165	10	155	220	10	215
Iron and steel	370	35	330	1,430	115	1,310	1,340	100	1,235	1,445	75	1,370	2,885	125	2,760
Nonferrous metals	190	10	175	415	20	390	240	20	220	250	30	220	330	35	295
Machinery and equipment	360	140	225	1,990	440	1,560	1,645	460	1,190	1,140	475	665	1,865	1,225	645
Other	10	0	10	45	15	30	55	35	20	30	0	30	40	0	40

¹ Data are f.o.b. and rounded to the nearest \$5 million. Estimates are based on data reported by trading partners. Where data are incomplete, as for most less developed countries and for many of the Communist countries, estimates are based on fragmentary information from trade agreements and press reports and on commodity breakdowns available for earlier years.

Table 64

Million US \$

East European Foreign Trade ¹

		Communist Countries					Non-Communist Countries		
		Total Trade	Total	USSR	Eastern Europe	Other ²	Total	Developed Countries	Less Developed Countries
1960	Exports	7,624	5,523	2,817	2,102	604	2,101	1,603	498
	Imports	7,754	5,541	2,954	2,084	503	2,213	1,772	441
1965	Exports	11,789	8,423	4,692	3,172	559	3,366	2,581	785
	Imports	11,611	8,114	4,436	3,111	567	3,497	2,765	732
1970	Exports	18,159	12,546	6,612	4,955	979	5,613	4,426	1,187
	Imports	18,522	12,503	6,803	4,908	792	6,019	5,052	967
1971	Exports	19,986	13,834	7,284	5,426	1,124	6,152	4,828	1,324
	Imports	20,318	13,699	7,291	5,539	869	6,619	5,616	1,003
1972	Exports	24,784	17,313	9,399	6,720	1,194	7,471	5,985	1,486
	Imports	24,487	16,066	8,279	6,768	1,019	8,421	7,255	1,166
1973	Exports	31,660	21,261	10,963	8,901	1,397	10,399	8,490	1,909
	Imports	32,739	20,025	9,973	8,751	1,301	12,714	11,071	1,643
1974	Exports	37,551	23,182	11,403	9,952	1,827	14,369	11,326	3,043
	Imports	42,307	22,944	11,242	9,841	1,861	19,363	16,470	2,893
1975	Exports	45,269	30,193	15,619	12,230	2,344	15,076	11,282	3,794
	Imports	51,314	30,607	16,345	12,238	2,024	20,707	17,687	3,020
1976	Exports	49,493	32,758	16,227	13,878	2,653	16,735	12,817	3,918
	Imports	55,620	32,926	17,232	13,858	1,836	22,694	19,163	3,531
1977	Exports	56,520	38,225	19,236	16,021	2,968	18,295	13,341	4,954
	Imports	62,661	39,078	20,916	15,704	2,458	23,583	19,415	4,168
1978	Exports	65,551	44,596	23,019	18,071	3,506	20,955	15,338	5,617
	Imports	72,621	46,091	24,778	18,046	3,267	26,530	21,910	4,620
1979	Exports	77,875	51,375	26,794	N.A.	N.A.	26,500	19,370	7,130
	Imports	82,999	52,284	28,274	N.A.	N.A.	30,715	24,305	6,410

¹ Official East European statistics. Trade with the Communist countries was derived by converting the value of the trade expressed in the currency of each East European country to rubles and then to dollars at the prevailing foreign exchange rate. Exports are on an f.o.b. basis. Imports are f.o.b. except for Hungary, which is on a c.i.f. basis.

² Including data for Albania, China, Cuba, Mongolia, North Korea, Vietnam, and Yugoslavia.

Table 65

East European Exports, by Country ¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979 ²
Bulgaria	571	1,176	2,004	3,327	3,790	4,807	5,316	6,303	7,485	8,990
Of which:										
USSR	307	614	1,078	1,823	1,900	2,643	2,875	3,396	4,048	4,720
Eastern Europe	151	275	431	709	788	968	1,163	1,373	1,506	1,694
Developed Countries	73	190	289	450	466	474	626	663	763	1,287
Less Developed Countries	18	52	125	229	455	463	428	604	785	1,022
Czechoslovakia	1,929	2,688	3,792	5,988	6,884	8,158	8,745	10,011	11,669	13,890
Of which:										
USSR	659	1,023	1,222	1,889	2,023	2,664	2,934	3,397	4,041	4,792
Eastern Europe	561	789	1,213	1,978	2,109	2,621	2,986	3,376	3,857	4,072
Developed Countries	335	468	783	1,330	1,702	1,673	1,671	1,943	2,143	2,851
Less Developed Countries	200	255	331	446	599	706	658	802	979	1,277
East Germany ¹	2,207	3,085	4,647	7,772	8,903	10,680	11,645	12,778	14,963	17,300
Of which:										
USSR	924	1,311	1,742	2,860	2,814	3,700	3,657	4,306	5,291	5,810
Eastern Europe	588	852	1,386	2,375	2,690	3,368	3,691	4,160	4,765	N.A.
Developed Countries	446	657	1,078	1,950	2,658	2,631	3,170	3,007	3,386	4,100
Less Developed Countries	89	131	183	280	356	431	473	571	772	900
Hungary	874	1,510	2,317	4,377	4,874	5,694	6,643	7,959	8,814	11,117
Of which:										
USSR	256	525	790	1,454	1,517	2,154	2,346	2,817	3,208	3,779
Eastern Europe	278	468	648	1,333	1,465	1,591	1,950	2,365	2,666	3,248
Developed Countries	192	342	630	1,196	1,363	1,327	1,553	1,712	1,980	2,639
Less Developed Countries	58	107	137	211	325	364	392	473	555	721
Poland	1,326	2,228	3,548	6,471	8,260	10,510	10,969	12,405	14,527	16,846
Of which:										
USSR	390	781	1,251	2,103	2,341	3,362	3,310	3,957	5,006	6,078
Eastern Europe	335	528	882	1,649	1,985	2,671	2,888	3,155	3,384	3,743
Developed Countries	403	647	1,024	2,214	3,042	3,278	3,563	3,877	4,425	5,043
Less Developed Countries	93	172	258	315	641	845	878	1,005	1,073	1,310
Romania	717	1,102	1,851	3,725	4,840	5,420	6,175	7,064	8,093	9,732
Of which:										
USSR	281	438	529	834	808	1,096	1,105	1,363	1,425	1,615
Eastern Europe	189	260	395	857	915	1,011	1,200	1,592	1,893	N.A.
Developed Countries	154	277	622	1,350	2,095	1,899	2,234	2,139	2,641	3,450
Less Developed Countries	40	68	153	428	667	985	1,089	1,499	1,453	1,900

¹ Domestic currency converted into US dollars at the exchange rate prevailing at time of transactions. Exports are on f.o.b. basis. Trade with the Communist countries was derived by converting the value of the trade expressed in the currency of each East European country to rubles and then to dollars at the prevailing foreign exchange rate.

² Preliminary.

³ The official West German deutsche mark/US dollar rate was used to convert intra-German trade in East German marks to US dollars because using the East German mark/US dollar rate understates the value of trade. East Germany converts West German marks into East German marks at parity, but actually the East German mark is worth less than the West German mark.

Table 66

East European Imports, by Country ¹

Million US \$

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979 ²
Bulgaria	625	1,178	1,831	3,291	4,278	5,528	5,559	6,344	7,658	8,564
Of which:										
USSR	332	589	955	1,714	1,858	2,826	3,018	3,617	4,571	5,074
Eastern Europe	174	236	372	761	932	1,007	1,055	1,245	1,433	1,594
Developed Countries	89	266	355	528	990	1,289	1,045	1,019	1,151	1,308
Less Developed Countries	13	37	81	154	302	209	237	263	249	296
Czechoslovakia	1,816	2,673	3,695	6,071	7,352	8,874	9,410	10,883	12,488	14,371
Of which:										
USSR	630	955	1,209	1,812	1,979	2,818	3,022	3,637	4,377	5,131
Eastern Europe	524	851	1,123	1,979	2,281	2,839	3,009	3,353	4,007	4,400
Developed Countries	360	514	917	1,566	2,102	2,244	2,429	2,640	2,897	3,340
Less Developed Countries	161	197	214	389	535	501	498	733	606	701
East Germany ³	2,194	2,823	4,923	8,099	9,797	11,947	13,514	15,049	16,452	19,150
Of which:										
USSR	958	1,205	1,945	2,498	2,868	4,172	4,234	5,137	5,686	6,260
Eastern Europe	496	693	1,246	2,342	2,443	3,147	3,668	4,183	4,750	N.A.
Developed Countries	484	656	1,378	2,776	3,549	3,704	4,626	4,365	4,622	5,800
Less Developed Countries	90	120	182	228	533	483	608	723	673	700
Hungary	976	1,520	2,505	3,886	5,340	6,795	7,252	8,558	10,584	11,919
Of which:										
USSR	303	553	832	1,316	1,470	2,284	2,394	2,859	3,672	4,325
Eastern Europe	317	415	726	1,002	1,304	1,813	2,024	2,280	2,451	3,029
Developed Countries	237	383	678	1,196	1,965	1,966	2,027	2,441	3,210	3,326
Less Developed Countries	58	113	177	256	425	498	524	640	710	716
Poland	1,495	2,340	3,608	7,902	10,429	12,752	13,823	14,767	16,513	18,078
Of which:										
USSR	465	728	1,361	1,935	2,323	3,294	3,509	4,310	5,036	5,829
Eastern Europe	400	706	1,000	1,962	2,016	2,354	2,770	3,046	3,549	3,889
Developed Countries	447	583	938	3,501	5,335	6,199	6,798	6,374	6,531	6,631
Less Developed Countries	99	210	196	299	495	597	577	700	861	1,347
Romania	648	1,077	1,960	3,490	5,111	5,418	6,062	7,060	8,926	10,917
Of which:										
USSR	266	406	501	698	744	951	1,055	1,356	1,436	1,655
Eastern Europe	173	210	441	705	865	1,078	1,332	1,597	1,856	N.A.
Developed Countries	155	363	786	1,504	2,529	2,285	2,238	2,576	3,499	3,900
Less Developed Countries	20	55	117	317	603	732	1,087	1,109	1,521	2,650

¹ Imports are f.o.b. except for Hungary, which is on a c.i.f. basis. Trade with the Communist countries was derived by converting the value of the trade expressed in the currency of each East European country to rubles and then to dollars at the prevailing foreign exchange rate.

² Preliminary.

³ The official West German deutsche mark/US dollar rate was used to convert intra-German trade in East German marks to US dollars because using the East German mark/US dollar rate understates the value of trade. East Germany converts West German marks into East German marks at parity, but actually the East German mark is worth less than the West German mark.

Table 67

Million US \$

East European Exports, by Commodity Group ¹

	1970	1973	1974	1975	1976	1977	1978	1979
Bulgaria	2,004	3,327	3,790	4,807	5,316	6,303	7,485	8,990
Machinery and equipment	581	1,294	1,512	1,956	2,233	2,855	3,525	4,037
Fuels, minerals, and metals	162	273	371	375	468	536	666	1,169
Agricultural and forestry products	870	1,208	1,213	1,620	1,744	1,847	2,028	2,310
Manufactured consumer goods	295	396	398	495	510	605	734	836
Other	96	156	296	361	361	460	532	638
Czechoslovakia	3,792	5,988	6,884	8,158	8,745	10,011	11,669	13,890
Machinery and equipment	1,911	2,916	3,180	3,916	4,373	5,136	6,161	N.A.
Fuels, minerals, and metals	705	1,060	1,335	1,574	1,627	1,672	1,785	N.A.
Agricultural and forestry products	277	455	633	587	595	741	887	N.A.
Manufactured consumer goods	629	1,114	1,198	1,485	1,539	1,752	1,972	N.A.
Other	270	443	538	596	611	710	864	N.A.
East Germany	4,647	7,772	8,903	10,680	11,645	12,778	14,963	17,300
Machinery and equipment	2,402	3,995	4,291	5,415	5,962	6,823	8,230	N.A.
Fuels, minerals, and metals	469	839	1,264	1,292	1,316	1,431	1,511	N.A.
Agricultural and forestry products	344	699	828	972	1,188	920	1,167	N.A.
Manufactured consumer goods	939	1,329	1,442	1,666	1,677	1,955	2,244	N.A.
Other	493	910	1,078	1,335	1,502	1,649	1,811	N.A.
Hungary	2,317	4,377	4,874	5,694	6,643	7,959	8,814	11,117
Machinery and equipment	755	1,462	1,613	2,107	2,239	2,674	3,050	N.A.
Fuels, minerals, and metals	334	543	629	678	884	1,051	1,111	N.A.
Agricultural and forestry products	619	1,204	1,331	1,435	1,787	2,093	2,274	N.A.
Manufactured consumer goods	494	915	1,004	1,162	1,275	1,536	1,763	N.A.
Other	115	253	297	312	458	605	616	N.A.
Poland	3,548	6,471	8,260	10,510	10,969	12,405	14,527	16,846
Machinery and equipment	1,366	2,511	3,056	4,109	4,541	5,334	6,406	N.A.
Fuels, minerals, and metals	848	1,411	2,130	3,058	2,918	3,076	3,501	N.A.
Agricultural and forestry products	600	984	1,107	1,209	1,338	1,439	1,583	N.A.
Manufactured consumer goods	571	1,055	1,247	1,534	1,645	1,948	2,368	N.A.
Other	163	510	720	600	527	608	667	N.A.

Romania	1,851	3,725	4,840	5,420	6,175	7,064	8,093	9,732
Machinery and equipment	422	909	997	1,371	1,587	1,886	2,307	N.A.
Fuels, minerals, and metals	420	644	1,060	1,209	1,488	1,469	1,805	N.A.
Agricultural and forestry products	496	1,077	1,331	1,225	1,389	1,724	1,619	N.A.
Manufactured consumer goods	335	700	765	873	1,013	1,173	1,416	N.A.
Other	178	395	687	742	698	812	946	N.A.

¹ The values of East European exports by commodity group were calculated by applying East European data on percentage breakdowns to total exports expressed in US dollars (see Table 65, footnote 1).

Table 68

Million US \$

East European Imports, by Commodity Group ¹

	1970	1973	1974	1975	1976	1977	1978	1979
Bulgaria	1,831	3,291	4,278	5,528	5,559	6,344	7,658	8,564
Machinery and equipment	743	1,448	1,741	2,289	2,290	2,512	3,086	3,194
Fuels, minerals, and metals	533	931	1,232	1,852	1,929	2,392	2,956	3,554
Agricultural and forestry products	291	444	680	702	667	666	766	839
Manufactured consumer goods	104	188	252	282	272	285	314	377
Other	158	280	373	403	401	487	536	600
Czechoslovakia	3,695	6,071	7,352	8,874	9,410	10,883	12,488	14,371
Machinery and equipment	1,234	2,204	2,691	3,204	3,378	4,244	4,983	N.A.
Fuels, minerals, and metals	868	1,463	1,676	2,467	2,719	3,123	3,721	N.A.
Agricultural and forestry products	890	1,336	1,559	1,544	1,666	1,937	1,886	N.A.
Manufactured consumer goods	314	486	588	683	668	653	787	N.A.
Other	389	582	838	976	979	926	1,111	N.A.
East Germany	4,923	8,099	9,797	11,947	13,514	15,049	16,452	19,150
Machinery and equipment	1,684	2,673	2,968	3,680	4,257	5,011	5,594	N.A.
Fuels, minerals, and metals	1,359	1,976	2,626	3,644	3,906	4,364	4,902	N.A.
Agricultural and forestry products	1,383	2,000	2,420	2,700	3,365	3,311	3,422	N.A.
Manufactured consumer goods	222	680	647	669	649	692	839	N.A.
Other	275	770	1,136	1,254	1,337	1,671	1,695	N.A.
Hungary	2,505	3,886	5,340	6,795	7,252	8,558	10,584	11,919
Machinery and equipment	774	1,232	1,623	2,188	2,335	2,790	3,662	N.A.
Fuels, minerals, and metals	591	921	1,164	1,855	1,769	2,054	2,582	N.A.
Agricultural and forestry products	611	886	1,234	1,291	1,523	1,814	1,990	N.A.
Manufactured consumer goods	193	291	368	482	500	616	794	N.A.
Other	336	556	951	977	1,125	1,284	1,556	N.A.
Poland	3,608	7,902	10,429	12,752	13,823	14,767	16,513	18,078
Machinery and equipment	1,306	3,248	4,015	4,769	5,377	5,582	6,242	N.A.
Fuels, minerals, and metals	960	1,841	2,649	3,826	3,829	4,076	4,558	N.A.
Agricultural and forestry products	772	1,612	2,117	2,270	2,557	2,747	3,170	N.A.
Manufactured consumer goods	231	490	584	676	788	960	1,040	N.A.
Other	339	711	1,064	1,211	1,272	1,402	1,503	N.A.
Romania	1,960	3,490	5,111	5,418	6,062	7,060	8,926	10,917
Machinery and equipment	790	1,473	1,738	1,880	1,928	2,591	3,374	N.A.
Fuels, minerals, and metals	596	967	1,641	2,070	2,485	2,640	3,320	N.A.
Agricultural and forestry products	306	625	966	845	958	1,024	1,196	N.A.
Manufactured consumer goods	108	164	199	206	206	275	339	N.A.
Other	160	261	567	417	485	530	697	N.A.

¹ The values of East European imports by commodity group were calculated by applying East European data on percentage breakdowns to total imports expressed in US dollars (see Table 66, footnote 1).

Net Financial Flows to Non-OPEC Less Developed Countries

	1973	1974	1975	1976	1977	1978
Total	18.0	32.4	39.7	43.9	48.5	N.A.
Official flows	11.2	19.1	23.7	22.9	25.5	N.A.
Bilateral	9.7	14.0	17.0	16.4	18.5	21.7
Industrial Countries	8.1	10.1	11.2	10.7	11.7	16.3
OPEC	1.0	3.2	5.4	5.2	6.2	4.9
Communist Countries	0.6	0.7	0.4	0.5	0.6	0.5
Multilateral	1.5	5.1	6.7	6.5	7.0	N.A.
IMF Oil Facility	0	1.1	1.6	0.6	0	0
Other	1.5	4.0	5.1	5.9	7.0	N.A.
Private flows	6.8	13.3	16.0	21.0	23.0	N.A.

Table 70

Gross Official Bilateral Capital Flows to the Less Developed Countries¹

	1954-78	Annual Average 1954-70	1971	1972	1973	1974	1975	1976	1977	1978
Total	227,584	5,396	10,087	10,551	11,553	16,132	20,164	19,596	22,019	25,752
Development Assistance Committee ²	192,579	5,083	9,292	9,691	10,593	12,132	14,304	14,296	15,316	20,547
United States	87,401	2,953	4,000	3,586	3,685	4,631	5,063	4,989	5,072	6,168
France	30,177	795	1,118	1,438	1,623	1,806	2,462	2,436	2,540	3,242
West Germany	17,981	338	897	995	1,363	1,422	1,720	1,586	1,733	2,521
United Kingdom	11,697	352	605	679	581	688	694	721	683	1,065
Japan	15,148	220	1,283	1,282	1,389	1,206	1,219	1,038	1,457	2,538
Other Developed Countries ³	30,175	425	1,389	1,711	1,952	2,379	3,146	3,526	3,831	5,013
OPEC ⁴	21,420	N.A.	N.A.	N.A.	N.A.	2,810	4,920	4,140	5,450	4,100
Communist Countries	13,585	315	800	860	950	1,190	940	1,160	1,250	1,105
USSR	7,670	215	420	430	500	705	505	465	545	485
Eastern Europe	3,335	60	190	170	210	230	250	375	470	380
China	2,580	40	190	260	240	255	185	320	235	240

¹ Total gross official capital flows include official development assistance, which is concessional, and other official flows, which are less concessional or are primarily trade facilitating in character.

² Members of the Organization for Economic Cooperation and Development.

³ Including Australia, Austria, Belgium, Canada, Denmark, Finland, Italy, Norway, the Netherlands, Sweden, and Switzerland.

also including Portugal for the period 1954-72. New Zealand became a DAC member in 1974. Disbursements by all donors to Yugoslavia are excluded.

⁴ Including official development assistance—data for other official flows are not available for OPEC.

Million US \$

Table 71

Million US \$

Gross Official Bilateral Capital Flows ¹ from Developed Assistance Committee Members to the Less Developed Countries, 1954-78

	Total	United States	Other ²
Total	192,579	87,401	105,178
Africa	45,478	7,363	38,115
Algeria	6,305	597	5,708
Guinea	283	157	126
Other	38,890	6,609	32,281
East Asia	36,894	22,765	14,129
Indonesia	7,888	2,770	5,118
South Korea	8,446	6,344	2,102
Other	20,560	13,651	6,909
Latin America	32,549	17,566	14,983
Brazil	6,511	4,378	2,133
Chile	3,075	2,241	834
Other	22,963	10,947	12,016
Middle East and South Asia	55,589	31,087	24,502
Afghanistan	759	428	331
Egypt	4,518	2,859	1,659
India	18,578	9,771	8,807
Iran	2,538	1,179	1,359
Iraq	405	53	352
North Yemen	222	83	139
Pakistan	8,727	5,235	3,492
Syria	248	131	117
Turkey	4,402	2,686	1,716
Other	15,192	8,662	6,530
Europe	4,798	3,186	1,612
Other	17,271	5,434	11,837

¹ Total gross official capital flows include official development assistance, which is concessional, and other official flows, which are less concessional or are primarily trade facilitating in character.

² Including Australia, Austria, Belgium, Canada, Denmark, Finland, France, Italy, Japan, Norway, the Netherlands, Sweden,

Switzerland, the United Kingdom, and West Germany; also including Portugal for the period 1954-72. New Zealand became a DAC member in 1974.

Table 72

Million US \$

US Economic Loans and Grants Extended to the Less Developed Countries ¹

	1946-79 ²	1972 ³	1973 ³	1974 ³	1975 ³	1976 ³	1977 ³	1978 ³	1979 ³
Total	N.A.	3,937	4,113	3,902	4,908	5,790	5,590	6,626	6,904
Africa	7,491	299	257	300	335	388	417	603	601
Ethiopia	382	33	12	36	24	14	6	10	16
Ghana	360	15	24	6	8	23	13	12	24
Liberia	286	17	19	6	16	7	21	7	18
Libya	212	Negl.	0	0	0	0	0	0	0
Morocco	981	38	30	20	24	49	27	36	27
Nigeria	408	25	11	6	9	1	0	0	0
Tunisia	868	41	17	10	13	13	24	39	32
Zaire	598	6	9	4	5	37	46	32	37
Other	3,396	124	135	212	236	244	280	467	447
East Asia	26,625	1,496	1,253	1,197	736	437	341	375	352
Indonesia	2,537	240	241	90	90	161	134	197	191
Kampuchea	849	58	93	276	149	0	0	0	0
Laos	902	52	51	40	26	0	0	1	2
Philippines	2,023	70	124	64	68	86	87	84	72
South Korea	5,930	252	188	37	37	138	77	59	41
Taiwan	2,207	0	0	0	0	0	0	0	0
Thailand	720	34	39	15	7	17	18	11	26
Other	11,457	790	517	675	359	35	25	23	20
Latin America	14,974	581	842	628	776	520	348	385	453
Argentina	199	0	0	Negl.	Negl.	Negl.	Negl.	0	Negl.
Bolivia	826	60	27	47	26	32	46	53	51
Brazil	2,426	21	54	17	15	6	4	2	2
Chile	1,164	7	4	10	96	83	33	7	14
Colombia	1,341	116	97	54	28	42	9	7	9
Dominican Republic	591	27	16	17	12	30	14	6	48
Ecuador	308	10	17	8	8	5	4	6	6
Guatemala	420	17	12	5	14	48	21	11	25
Mexico	335	Negl.	Negl.	Negl.	Negl.	1	16	20	14
Panama	423	34	16	28	21	31	16	23	21
Peru	615	44	9	17	16	24	23	55	71
Venezuela	201	7	2	3	2	1	Negl.	0	Negl.
Other	6,127	238	588	422	538	217	162	195	192

Middle East and South Asia	35,945	920	754	539	1,786	2,932	2,396	2,577	2,592
Afghanistan	538	36	39	14	21	13	21	12	11
Bangladesh	1,521	286	161	80	304	219	145	194	208
Egypt	5,080	2	1	21	370	1,017	908	943	885
Greece	1,910	0	0	0	0	65	0	0	Negl.
India	9,882	114	82	137	249	204	126	196	228
Iran	760	2	1	1	2	1	0	0	Negl.
Israel	4,799	104	110	52	353	793	742	792	790
Jordan	1,349	59	71	64	99	148	84	103	101
Pakistan ⁴	4,943	165	178	102	181	268	108	78	50
Turkey	2,775	67	23	6	4	0	Negl.	1	70
Other	2,388	85	88	62	203	204	262	258	249
Europe and Oceania	N.A.	97	80	88	95	195	263	360	52
Spain	1,048	0	3	3	3	0	10	7	7
Other	N.A.	97	77	85	92	195	253	353	45
Interregional	20,092	544	927	1,150	1,180	1,318	1,825	2,326	2,854

¹ Data are for fiscal years and are for official development assistance, which is concessional. Data for 1976 include the transitional quarter—July, August, and September.

² Data are reported on a net basis, excluding total debt obligations.

³ Data reported are on a gross basis.

⁴ Including Bangladesh prior to 1972.

Table 73

Million US \$

US Military Deliveries to the Less Developed Countries ¹

	1955-79	1973	1974	1975	1976	1977	1978	1979
Total	66,874	5,735	4,430	4,807	5,928	7,130	7,976	6,679
Africa	1,129	18	28	31	81	155	214	222
Ethiopia	285	9	8	18	26	72	0	Negl.
Libya	74	1	1	1	Negl.	Negl.	Negl.	Negl.
Morocco	389	2	4	3	20	53	100	142
Tunisia	99	2	6	2	3	6	2	45
Zaire	76	1	1	1	4	8	12	4
Other	206	3	8	6	28	16	100	31
East Asia	24,408	4,761	1,868	2,023	729	679	1,010	1,033
Burma	93	Negl.	Negl.	Negl.	Negl.	Negl.	1	8
Malaysia	218	3	13	32	19	44	67	21
Philippines	668	16	24	21	45	51	54	38
South Korea	5,659	279	118	214	359	273	515	485
Taiwan	3,926	101	169	177	184	194	210	241
Thailand	1,111	89	46	52	69	53	117	101
Other	12,733	4,273	1,498	1,528	53	64	46	139
Latin America	2,204	82	95	144	220	213	127	130
Argentina	283	10	14	10	12	13	24	38
Brazil	567	25	27	47	90	15	13	16
Chile	270	3	7	13	41	57	11	8
Colombia	136	2	5	2	2	8	5	7
Ecuador	96	Negl.	Negl.	2	6	10	24	13
Peru	248	1	5	9	33	31	18	19
Uruguay	67	7	3	3	2	6	2	1
Venezuela	276	13	17	42	13	52	10	13
Other	261	21	17	16	21	21	20	15
Middle East and South Asia	37,244	785	2,369	2,548	4,750	5,879	6,511	5,147
Greece	3,148	49	114	148	362	274	229	211
India	208	1	1	3	10	11	11	11
Iran	11,164	261	684	1,056	2,033	2,563	2,040	1,007
Israel	6,682	212	1,032	776	1,017	1,082	987	574
Jordan	969	42	49	33	138	115	182	164
Pakistan	960	5	13	15	16	44	55	65
Saudi Arabia	9,070	92	350	349	1,023	1,546	2,535	2,556
Turkey	3,954	113	123	155	117	49	175	151
Other	1,089	10	3	13	34	195	297	408

Europe	1,889	89	70	61	148	204	114	135
Portugal	380	2	3	2	2	4	25	12
Spain	1,509	87	67	59	146	200	89	123

¹ Fiscal years. Including deliveries under the following programs: (a) Military Assistance Program grants under the various Mutual Security Acts; (b) Foreign Military Sales, which consist of US-financed arms, US-guaranteed private arms credits, and US-approved commercial sales; and (c) Military assistance excess stocks, which involve surplus equipment that has been valued at 33 percent of the original acquisition value. For East Asia, the

Military Assistance Service Funded program is included in the data through 1975. Countries receiving these funds in East Asia were Laos, South Korea, Thailand and South Vietnam. US data exclude some \$700 million in naval equipment made available under the Ship Loan and Lease Program. All data reflect the latest available information as of December 1979.

Table 74

Million US \$

Communist Economic Aid to the Less Developed Countries

	Total		USSR		Eastern Europe		China	
	Extended	Drawn	Extended	Drawn	Extended	Drawn	Extended	Drawn
Total	32,980	14,500	18,190	8,170	9,830	3,590	4,960	2,740
1954-68	9,500	4,185	6,085	2,870	2,380	810	1,030	515
1969-79	23,480	10,315	12,105	5,300	7,450	2,780	3,930	2,225
1969	895	535	475	355	405	105	15	70
1970	1,175	605	200	390	195	145	780	70
1971	2,190	795	1,125	420	485	190	585	190
1972	2,180	860	655	430	920	170	605	260
1973	1,920	960	715	500	605	220	600	240
1974	1,915	1,190	815	705	820	230	280	255
1975	2,810	940	1,935	505	510	250	365	185
1976	1,930	1,160	980	465	800	375	150	320
1977	1,030	1,250	425	545	405	470	195	235
1978	4,850	1,110	3,060	485	1,575	380	220	240
1979	2,585	910	1,720	500	730	255	135	160

Table 75

Million US \$

Communist Military Agreements Concluded and Deliveries to the Less Developed Countries

	Total		USSR		Eastern Europe		China	
	Agreements Concluded	Deliver- ies	Agreements Concluded	Deliver- ies	Agreements Concluded	Deliver- ies	Agreements Concluded	Deliver- ies
Total	52,770	39,670	47,340	35,340	4,285	3,405	1,145	920
1955-68	6,600	5,560	5,505	4,610	810	755	270	180
1969-79	46,170	34,105	41,835	30,730	3,475	2,650	875	740
1969	485	555	360	450	125	80	Negl.	25
1970	1,265	1,095	1,150	995	50	75	65	30
1971	1,790	1,050	1,590	865	120	125	80	60
1972	1,925	1,365	1,690	1,215	155	75	80	80
1973	3,045	3,340	2,890	3,135	130	130	25	80
1974	6,460	2,460	5,735	2,225	635	210	90	25
1975	4,000	2,425	3,325	2,040	635	285	40	100
1976	6,035	3,520	5,550	3,085	345	330	145	100
1977	9,260	5,125	8,715	4,705	475	345	75	75
1978	3,155	5,965	2,465	5,400	555	470	135	95
1979	8,750	7,205	8,365	6,615	250	525	140	70

Table 76

Million US \$

Communist Economic Aid Extended to
the Less Developed Countries

	USSR 1954-79	Eastern Europe 1954-79	China 1956-79
Total	18,190	9,830	4,960
Africa	4,115	2,425	2,775
Algeria	715	525	90
Angola	15	100	0
Benin	5	N.A.	45
Cameroon	10	0	100
Chad	5	0	70
Congo	30	60	75
Ethiopia	200	95	100
Ghana	95	145	40
Guinea	210	110	85
Kenya	45	0	20
Madagascar	20	Negl.	90
Mali	90	25	100
Mauritania	10	10	85
Morocco	2,100	170	55
Mozambique	5	15	60
Niger	Negl.	0	55
Nigeria	5	80	0
Senegal	10	35	60
Sierra Leone	30	0	60
Somalia	165	10	155
Sudan	65	240	80
Tanzania	40	50	360
Togo	0	0	45
Tunisia	95	230	95
Upper Volta	5	0	50
Zaire	0	0	105
Zambia	15	60	330
Other	130	465	365
East Asia	260	550	335
Burma	15	175	85
Indonesia	215	290	45
Kampuchea	25	15	90
Philippines	0	65	0
Other	5	5	115

Table 76 (continued)

Million US \$

Communist Economic Aid Extended to
the Less Developed Countries

	USSR	Eastern Europe		China
	1954-79	1954-79	1956-79	
Latin America	965	1,870		155
Argentina	220	295		0
Bolivia	70	50		0
Brazil	90	620		0
Chile	240	145		65
Colombia	210	80		0
Jamaica	30	285		10
Peru	25	215		40
Other	80	180		50
Middle East and South Asia	12,850	4,980		1,645
Afghanistan	1,290	135		75
Bangladesh	305	210		75
Egypt	1,440	890		135
India	2,280	455		0
Iran	1,165	685		0
Iraq	705	495		45
Nepal	30	0		180
North Yemen	145	40		130
Pakistan	920	215		620
South Yemen	205	65		80
Sri Lanka	160	95		220
Syria	770	955		60
Turkey	3,330	395		0
Other	105	345		25
Europe	0	0		45
Malta	0	0		45

Table 77

Million US \$

**Communist Economic Aid Extended to
the Less Developed Countries, 1979**

	USSR	Eastern Europe	China
Total	1,720	730	135
Africa	95	135	40
Ethiopia	95	Negl.	0
Other	0	135	40
East Asia	0	0	65
Other	0	0	65
Latin America	0	265	Negl.
Jamaica	0	250	0
Other	0	15	Negl.
Middle East and South Asia	1,625	330	30
Afghanistan	25	25	0
Bangladesh	0	50	0
North Yemen	0	25	0
Pakistan	0	90	20
Turkey	1,600	0	0
Other	0	140	10

Table 78 Million US \$

Soviet Economic Aid Extended to the Communist Countries¹

	1954-79	1954-70	1971-79 ²
Total	15,642	9,524	6,118
Eastern Europe	6,283	3,846	2,437
Bulgaria	1,993	1,993	0
Czechoslovakia	14	14	0
East Germany	990	990	0
Hungary	348	348	0
Poland	2,815	378	2,437
Romania	123	123	0
Far East	1,067	1,067	0
China	495	495	0
North Korea	118	118	0
Vietnam	454	454	0
Other	8,292	4,611	3,681
Albania	65	65	0
Cuba	5,770	2,629	3,141
Mongolia	1,609	1,609	0
Yugoslavia	848	308	540

¹ Excluding data for Eastern Europe prior to 1956 because war reparations, other assets, and privileged arrangements obtained by the USSR from these countries created a heavy net flow of capital toward the USSR during these years; data are unavailable for North Korea and Vietnam after 1965 and for Mongolia after 1967; the data exclude Soviet sugar subsidy payments to Cuba. Because of the large trade deficits East European countries have had with the USSR in recent years, it is likely that there have been unpublicized credits.

² Total Soviet aid in 1977-79 of \$205 million, \$330 million, and \$440 million, respectively, was extended to Cuba.

Table 79

Million US \$

Arms Exports to the Less Developed Countries ¹

	1955-79	1955-71	1972-79	1972	1973	1974	1975	1976	1977	1978	1979 ²
Total	135,220	34,605	100,615	6,550	10,410	8,450	9,435	12,945	16,325	18,865	17,635
Non-Communist Countries	94,480	26,355	68,125	5,175	7,040	5,980	6,895	9,115	10,995	12,700	10,225
United States ³	66,875	20,230	46,645	3,975	5,735	4,430	4,805	5,930	7,130	7,975	6,665
Western Europe	22,865	5,230	17,635	1,010	1,100	1,270	1,675	2,695	3,260	3,965	2,660
United Kingdom	6,615	2,450	4,165	240	305	410	350	565	745	950	600
France	7,430	1,445	5,985	375	515	405	490	810	1,180	1,425	785
West Germany	3,880	615	3,265	220	105	185	350	570	710	700	425
Italy	2,570	290	2,280	85	95	190	230	350	350	550	430
Belgium	705	165	540	5	20	50	50	115	115	125	60
Switzerland	875	140	735	40	15	15	75	135	85	120	250
Netherlands	465	60	405	35	35	5	55	75	40	65	95
Spain	325	65	260	10	10	10	75	75	35	30	15
Other	4,740	895	3,849	190	205	280	415	490	605	760	900
Communist Countries	40,740	8,250	32,490	1,375	3,370	2,470	2,540	2,540	3,830	5,330	7,410
USSR	35,340	6,920	28,420	1,215	3,135	2,225	2,040	2,040	3,085	4,705	6,615
China	920	295	625	80	80	25	100	100	100	75	70
Eastern Europe	3,405	1,035	2,370	75	130	210	285	285	330	345	525
Other	1,075	N.A.	1,075	5	25	10	115	315	205	200	200

¹ Including military sales and downpayments, as well as military aid. Data have been rounded to the nearest \$5 million.

² Preliminary.

³ Data are for fiscal years. Until 1972 US Department of Defense

data did not include the Military Assistance Service Funded (MASF) program. The sharp increase in exports beginning in 1972 is accounted for to some extent by the inclusion of this category of assistance.

Table 80

Number of Persons

**Trainees Departing From the Less Developed Countries
for Training in Communist Countries¹**

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Total trainees	7,845	8,140	9,845	11,755	12,660	13,880	16,350	13,835	14,830	19,030
USSR and Eastern Europe	7,535	7,670	8,795	11,260	12,425	13,290	16,135	13,415	14,685	18,965
China	310	470	1,050	495	235	590	215	420	145	65
Academic trainees	3,645	4,100	4,270	5,375	4,645	5,060	7,965	7,950	8,720	13,865
USSR and Eastern Europe	3,645	4,100	4,070	5,275	4,615	4,995	7,905	7,875	8,665	13,815
China	0	0	200	100	30	65	60	75	55	50
Technical trainees	1,650	2,835	2,360	3,715	4,380	4,135	5,320	3,155	3,290	2,975
USSR and Eastern Europe	1,650	2,835	2,360	3,715	4,300	4,095	5,265	3,005	3,250	2,975
China	0	0	0	0	80	40	55	150	40	0
Military trainees	2,550	1,205	3,215	2,665	3,635	4,685	3,065	2,730	2,820	2,190
USSR and Eastern Europe	2,240	735	2,365	2,270	3,510	4,200	2,965	2,535	2,770	2,175
China	310	470	850	395	125	485	100	195	50	15

¹ Rounded to the nearest five. Data are for persons departing for training and not necessarily those completing training.

Table 81

Military Trainees Departing From the Less Developed Countries
for Training in Communist Countries, 1955-79¹

	Total	USSR	Eastern Europe	China
Total	55,075	45,600	6,325	3,150
Africa	18,900	14,425	1,750	2,725
Algeria	2,425	2,200	200	25
Benin	25	25	0	0
Burundi	75	75	0	0
Cameroon	125	0	0	125
Congo	850	350	75	425
Equatorial Guinea	200	200	0	0
Ghana	175	175	0	0
Guinea	1,250	850	50	350
Guinea-Bissau	100	100	0	0
Libya	1,575	1,300	275	0
Mali	400	350	Negl.	50
Morocco	150	75	75	0
Nigeria	825	800	25	0
Sierra Leone	150	0	0	150
Somalia	2,575	2,400	150	25
Sudan	550	325	25	200
Tanzania	3,000	1,975	Negl.	1,025
Togo	50	0	0	50
Zaire	75	0	0	75
Zambia	250	200	0	50
Other	4,075	3,025	875	175
East Asia	9,300	7,600	1,700	0
Indonesia	9,275	7,575	1,700	0
Kampuchea	25	25	0	0
Latin America	775	775	0	0
Peru	775	775	0	0
Middle East and South Asia	26,100	22,800	2,875	425
Afghanistan	4,025	3,725	300	0
Bangladesh	475	450	0	25
Egypt	6,250	5,675	575	0
India	2,250	2,175	75	0
Iran	325	325	0	0
Iraq	4,400	3,700	700	0

Table 81 (continued)

**Military Trainees Departing From the Less Developed Countries
for Training in Communist Countries, 1955-79¹**

	Total	USSR	Eastern Europe	China
North Yemen	1,175	1,175	0	0
Pakistan	425	50	0	375
South Yemen	1,100	1,075	25	0
Sri Lanka	Negl.	Negl.	0	Negl.
Syria	4,950	3,750	1,200	0
Other	725	700	0	25

¹ Rounded to the nearest twenty-five. Data are for persons departing for or in training but not necessarily completing training.

Table 82

Number of Persons

Communist Economic Technicians¹ in
the Less Developed Countries, 1979

	Total	USSR and Eastern Europe	China	Cuba	North Korea
Total	108,355	80,830	12,860	13,610	1,055
Africa	69,040	48,285	10,255	9,485	1,015
Algeria	11,900	11,500	300	100	0
Angola	9,270	2,760	10	6,500	0
Ethiopia	2,250	1,500	300	450	0
Ghana	195	75	120	0	0
Guinea	1,070	645	225	200	0
Liberia	105	5	100	0	0
Libya	25,255	23,500	5	1,000	750
Mali	885	485	400	0	0
Mauritania	455	55	400	0	0
Somalia	1,050	50	1,000	0	0
Sudan	460	10	450	0	0
Tanzania	1,320	140	1,100	80	0
Tunisia	690	490	200	0	0
Uganda	65	0	65	0	0
Zambia	1,010	10	1,000	0	0
Other and undistributed	13,060	7,060	4,580	1,155	265
East Asia	250	90	160	0	0
Burma	165	15	150	0	0
Indonesia	30	30	0	0	0
Other	55	45	10	0	0
Latin America	3,225	595	155	2,475	0
Bolivia	215	215	0	0	0
Jamaica	650	0	50	600	0
Peru	120	110	10	0	0
Other	2,240	270	95	1,875	0
Middle East and South Asia	35,705	31,850	2,165	1,650	40
Afghanistan	3,775	3,700	75	0	0
Bangladesh	145	115	30	0	0
Egypt	775	750	25	0	0
India	1,285	1,285	0	0	0
Iran	2,200	2,200	0	0	0
Iraq	12,900	11,275	275	1,350	0

Table 82 (Continued)

Number of Persons

Communist Economic Technicians¹ in
the Less Developed Countries, 1979

	Total	USSR and Eastern Europe	China	Cuba	North Korea
Nepal	335	10	325	0	0
North Yemen	510	160	335	0	15
Pakistan	1,025	750	275	0	0
South Yemen	2,030	1,280	450	300	0
Sri Lanka	410	85	325	0	0
Syria	6,025	6,000	25	0	0
Turkey	1,575	1,575	0	0	0
Other and undistributed	2,715	2,665	25	0	25
Europe	135	10	125	0	0
Malta	135	10	125	0	0

¹ Rounded to the nearest five. Data are minimum estimates of
the number of persons present for one month or more.

Energy

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Table 83

Thousand Barrels Per Day of Oil Equivalent

Primary Energy Production¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States	21,143	24,918	30,819	31,701	30,508	30,154	30,134	30,340	30,843	32,126
Canada	1,750	2,539	3,709	4,942	4,893	4,678	4,567	4,774	4,822	5,223
Japan	1,017	1,106	1,028	774	861	874	923	851	990	1,128
Norway	158	255	298	403	427	590	721	673	807	901
European Community	6,920	7,240	7,170	7,700	7,780	8,200	8,500	9,270	9,270	9,900
Belgium ²	31	274	161	129	120	146	159	160	155	144
France	1,082	1,115	1,026	860	874	899	819	975	957	965
Italy	395	423	490	502	504	515	522	528	510	499
Netherlands	216	233	648	1,349	1,583	1,702	1,818	1,814	1,669	1,748
United Kingdom	2,691	2,680	2,346	2,452	2,290	2,571	2,786	3,381	3,665	4,149
West Germany	2,503	2,521	2,495	2,400	2,402	2,357	2,386	2,402	2,306	2,375
Other Countries										
Iran	1,126	1,977	3,920	6,267	6,481	5,802	6,332	6,093	5,651	3,250
Kuwait	1,766	2,451	3,138	3,171	2,686	2,225	2,291	2,127	2,315	2,742
Saudi Arabia	1,405	2,313	3,929	7,763	8,717	7,312	8,877	9,554	8,716	10,142
Communist Countries										
USSR and Eastern Europe	13,200	17,800	22,300	25,100	26,400	27,800	29,200	30,500	31,600	32,700
USSR	9,280	13,210	17,020	19,550	20,710	21,920	23,150	24,290	25,400	26,280
Eastern Europe	3,870	4,570	5,280	5,550	5,660	5,840	6,030	6,180	6,240	6,370
Bulgaria	109	144	151	133	123	143	145	154	153	164
Czechoslovakia	761	865	906	898	908	907	931	948	949	968
East Germany	1,027	1,113	1,172	1,105	1,113	1,126	1,143	1,171	1,174	1,166
Hungary	207	254	277	276	276	270	286	292	304	288
Poland	1,278	1,531	1,895	2,133	2,197	2,294	2,384	2,479	2,529	2,703
Romania	487	666	879	1,009	1,039	1,096	1,145	1,133	1,127	1,078
Far East										
China	N.A.	2,570	3,970	5,290	5,650	6,560	6,810	7,620	8,470	8,710
North Korea	N.A.	324	466	546	N.A.	622	618	622	644	663
Other										
Yugoslavia	202	286	330	362	400	402	419	458	470	488

¹ Data are for coal, crude oil, natural gas, and hydroelectric and nuclear electric power expressed in terms of oil equivalent, and exclude minor fuels such as peat, shale, and fuelwood.

² Including data for Luxembourg.

Table 84

Thousand Barrels per Day of Oil Equivalent

Primary Energy Consumption ¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978
OECD									
United States	20,628	24,782	31,577	35,233	34,534	33,557	35,626	36,705	37,572
Canada	1,960	2,417	3,148	3,882	3,832	4,043	4,081	4,205	4,384
Japan	1,931	3,179	5,821	7,068	7,148	6,974	7,125	7,168	7,315
Norway	186	267	360	408	401	406	426	414	453
European Community									
Belgium ²	588	751	971	1,093	1,064	973	1,031	1,022	1,033
France	1,840	2,364	3,080	3,781	3,669	3,431	3,645	3,677	3,897
Italy	1,058	1,617	2,479	2,796	2,793	2,663	2,835	2,877	2,859
Netherlands	487	735	1,156	1,468	1,410	1,392	1,522	1,477	1,513
United Kingdom	3,506	3,962	4,358	4,587	4,384	4,129	4,200	4,286	4,288
West Germany	2,960	3,762	4,798	5,390	5,266	4,919	5,329	5,311	5,510
Other Countries									
Iran	97	135	389	481	560	609	683	740	891
Kuwait	49	93	110	68	74	79	92	105	114
Saudi Arabia	20	35	103	75	95	124	148	156	179
Communist Countries									
USSR and Eastern Europe									
USSR ³	8,520	11,750	14,830	17,230	18,050	19,020	19,750	20,660	21,620
Eastern Europe									
Bulgaria	132	254	391	470	504	526	550	591	623
Czechoslovakia	798	986	1,136	1,243	1,275	1,298	1,361	1,452	1,463
East Germany	1,171	1,336	1,491	1,538	1,555	1,576	1,617	1,676	1,707
Hungary	269	360	431	475	489	509	533	548	591
Poland	1,053	1,295	1,653	1,863	1,926	2,078	2,185	2,293	2,375
Romania	376	565	844	1,031	1,044	1,125	1,219	1,244	1,314
Other									
Yugoslavia	227	331	448	542	597	598	639	677	719

¹ Data are for coal, crude oil, natural gas, and hydroelectric and nuclear electric power expressed in terms of oil equivalent. Data exclude minor fuels such as peat, shale, and fuelwood and include marine bunkers.

² Including data for Luxembourg.

³ Including peat, shale, and fuelwood.

Table 85

Thousand Barrels Per Day of Oil Equivalent

Primary Energy Production, by Type ¹

	1965				1970				1979			
	Coal	Crude Oil	Natural Gas	Hydro/Nuclear	Coal	Crude Oil	Natural Gas	Hydro/Nuclear	Coal	Crude Oil	Natural Gas	Hydro/Nuclear
OECD												
United States	6,531	9,545	7,819	1,023	7,359	11,380	10,686	1,394	9,191	10,205	9,933	2,797
Canada	124	1,115	703	597	171	1,625	1,110	803	392	1,785	1,631	1,415
Japan	675	15	31	385	538	18	45	427	239	10	41	838
Norway	6	0	0	249	6	0	0	292	4	445	0	452
European Community												
Belgium ²	268	0	0	6	154	0	1	6	83	0	0	61
France	706	80	87	242	523	68	118	317	262	40	134	529
Italy	9	46	134	234	9	30	227	224	5	31	222	241
Netherlands	155	50	28	0	59	43	544	2	0	30	1,701	17
United Kingdom	2,580	Negl.	0	100	1,992	0	194	160	1,663	1,615	665	206
West Germany	2,234	161	48	78	1,999	152	224	120	1,690	100	307	278
Other Countries												
Iran	4	1,950	21	2	7	3,870	35	8	12	3,045	173	20
Kuwait	0	2,420	31	0	0	3,050	88	0	0	2,623	119	0
Saudi Arabia	0	2,295	18	0	0	3,890	39	0	0	9,808	334	0
Communist Countries												
USSR and Eastern Europe												
USSR	5,780	4,850	2,100	480	6,060	7,040	3,270	650	6,770	11,710	6,750	1,050
Eastern Europe												
Bulgaria	125	5	1	14	125	7	8	12	108	5	1	50
Czechoslovakia	803	4	14	44	861	4	17	23	928	2	13	25
East Germany	1,105	1	1	7	1,150	1	10	12	1,062	1	53	50
Hungary	200	36	18	1	182	39	56	1	141	41	105	1
Poland	1,495	7	23	5	1,790	8	84	11	2,559	7	124	13
Romania	75	264	321	6	125	281	460	13	164	259	606	48
Far East												
China	2,240	230	20	80	3,140	600	70	160	6,050	2,120	260	280
North Korea	214	0	0	110	362	0	0	104	543	0	0	120
Other												
Yugoslavia	180	40	6	60	164	56	18	93	225	83	30	150

¹ Data are for coal, crude oil, natural gas, and hydroelectric and nuclear electric power expressed in terms of oil equivalent, and exclude minor fuels such as peat, shale, and fuelwood.

² Including data for Luxembourg.

Table 86

Proved Reserves of Crude Oil, Natural Gas, and Coal, Yearend 1979 ¹

OECD	Crude Oil (Billion Barrels)	Natural Gas (Trillion Cubic Feet)	Coal ² (Million Metric Tons)
United States	26	194	178,600
Canada	7	86	9,400
Norway	6	24	N.A.
European Community			
United Kingdom	15	25	45,000
West Germany	Negl.	6	34,400
Other Countries			
Algeria	8	132	N.A.
Brazil	1	2	8,100
Ecuador	1	4	0
Egypt	3	3	Negl.
India	3	9	33,700
Indonesia	10	24	1,400
Iran	58	490	200
Iraq	31	28	0
Kuwait	65	31	0
Libya	24	24	0
Mexico	31	59	900
Nigeria	17	41	100
Oman	2	2	0
Qatar	4	60	0
Saudi Arabia	163	93	0
South Africa	0	0	26,900
Syria	2	2	0
United Arab Emirates	29	20	0
Venezuela	18	43	1,000
Communist Countries			
USSR and Eastern Europe			
USSR	35	1,060 ³	256,000 ³
Eastern Europe			
Poland	Negl.	5	21,800
Romania	1	9	400

Table 86 (continued)

Proved Reserves of Crude Oil, Natural Gas, and Coal, Yearend 1979¹

	Crude Oil (Billion Barrels)	Natural Gas (Trillion Cubic Feet)	Coal ² (Million Metric Tons)
Other			
North Korea	0	0	8,000
Yugoslavia	Negl.	1	8,500

¹ The portion of total resources which has been assessed as being exploitable under local economic conditions and available technology.

² Yearend 1977. Data are expressed in terms of coal equivalent (7,000 kilocalories per kilogram).

³ Including proved, probable, and some possible reserves.

Table 87

Crude Oil Refining Capacity 1 January 1980

OECD	43,552.5	Other Countries	
United States	17,719.9	Argentina	676.2
Australia	724.6	Bahamas	500.0
Canada	2,222.1	Brazil	1,205.0
Japan	5,509.2	Egypt	234.0
Spain	1,455.9	India	556.8
European Community	15,920.8	Mexico	1,393.5
Belgium	1,064.0	Netherlands Antilles	792.0
France	3,384.9	Singapore	920.8
Italy	4,131.2	Trinidad and Tobago	456.0
Netherlands	1,827.5	Virgin Islands	728.0
United Kingdom	2,527.5	Communist Countries	
West Germany	2,985.7	USSR and Eastern Europe	13,280.0
OPEC	4,744.9	USSR	10,950.0
Abu Dhabi	13.5	Eastern Europe	2,330.0
Algeria	122.4	Bulgaria	280.0
Ecuador	86.1	Czechoslovakia	420.0
Gabon	20.0	East Germany	440.0
Indonesia	527.7	Hungary	230.0
Iran	920.5	Poland	380.0
Iraq	168.5	Romania	580.0
Kuwait	645.0	Far East	
Libya	137.6	China	1,600.0
Nigeria	160.0	North Korea	90.0
Qatar	10.8	Other	
Saudi Arabia	487.3	Cuba	125.0
Venezuela	1,445.5	Yugoslavia	400.0

Table 88

Thousand Barrels per Day

Crude Oil Production ¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD ²	7,860	9,010	11,500	11,700	11,200	10,700	10,700	11,300	12,200	12,700
United States	7,055	7,804	9,648	9,210	8,770	8,375	8,130	8,180	8,700	8,535
Canada	526	793	1,305	1,800	1,695	1,460	1,300	1,320	1,315	1,495
European Community	221	309	264	209	197	204	431	952	1,260	1,750
Other Countries										
Abu Dhabi	0	282	691	1,305	1,410	1,370	1,585	1,650	1,445	1,465
Algeria	183	544	976	1,070	960	975	1,020	1,100	1,160	1,135
Gabon	16	25	104	150	200	225	225	220	210	205
Indonesia	411	501	855	1,340	1,375	1,305	1,505	1,685	1,635	1,590
Iran	1,068	1,895	3,831	5,860	6,020	5,350	5,885	5,665	5,240	3,035
Iraq	1,004	1,311	1,563	2,020	1,970	2,260	2,415	2,350	2,560	3,435
Kuwait ³	1,696	2,362	2,983	3,020	2,545	2,085	2,143	1,980	2,132	2,500
Libya	0	1,238	3,321	2,175	1,520	1,480	1,935	2,065	1,985	2,065
Mexico	271	328	420	450	575	715	800	980	1,215	1,460
Nigeria	17	263	1,090	2,055	2,255	1,785	2,070	2,085	1,895	2,305
Qatar	175	227	367	570	520	440	495	445	485	505
Saudi Arabia ³	1,315	2,204	3,789	7,595	8,480	7,075	8,575	9,210	8,302	9,530
Venezuela	2,846	3,473	3,708	3,365	2,976	2,345	2,295	2,240	2,165	2,355
Communist Countries										
USSR and Eastern Europe	3,220	5,150	7,320	8,780	9,380	9,990	10,500	11,100	11,600	11,800
USSR	2,943	4,835	6,976	8,420	9,020	9,630	10,170	10,700	11,215	11,470
Eastern Europe	277	317	340	356	362	363	366	364	345	313
Bulgaria	4	5	7	4	3	2	2	3	3	3
Czechoslovakia	3	4	4	3	3	3	3	2	2	2
East Germany	1	1	1	1	1	1	1	1	1	1
Hungary	24	36	39	40	40	40	43	44	44	41
Poland	4	7	8	8	11	11	9	7	7	7
Romania	241	264	281	300	304	306	308	307	288	259
Far East										
China ^{2, 4}	102	227	603	1,138	1,364	1,542	1,736	1,874	2,082	2,122
Other										
Albania	15	16	30	34	35	37	38	38	N.A.	N.A.
Cuba	1	1	3	3	3	5	5	5	5	5
Yugoslavia	18	40	57	68	69	74	78	79	79	83

¹ Unless otherwise indicated, data are for crude oil and exclude natural gas liquids, shale oil, natural gasoline, and synthetic crude oil.

² Including shale oil.

³ Including about one-half of neutral zone production, which amounted to about 460,000 barrels per day in 1978.

⁴ Including small quantities of synthetic crude oil.

Table 89

Thousand Barrels per Day

Crude Oil Consumption

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
United States	9,797	11,513	14,697	16,855	16,175	15,860	16,985	17,895	18,330	17,915
Japan	590	1,750	4,000	5,390	5,250	4,965	5,160	5,400	5,420	5,500
Canada	837	1,115	1,484	1,755	1,690	1,765	1,770	1,765	1,800	1,825
Western Europe	4,007	7,661	12,402	14,690	13,775	12,970	13,860	13,645	14,045	14,420
Belgium, Luxembourg, Netherlands	420	835	1,290	1,470	1,280	1,225	1,335	1,300	1,315	1,395
France	579	1,117	1,949	2,485	2,370	2,145	2,330	2,275	2,370	2,420
Italy	475	1,042	1,760	2,080	2,050	1,905	1,970	1,920	1,965	1,990
Spain ¹	121	253	540	760	805	895	995	900	975	1,030
United Kingdom	975	1,473	2,030	2,270	2,120	1,840	1,850	1,865	1,905	1,900
West Germany	659	1,569	2,572	2,985	2,700	2,555	2,775	2,735	2,855	2,900
Other	778	1,372	2,261	2,635	2,455	2,405	2,600	2,655	2,660	2,785

¹ Including the Canary Islands.

Table 90

Major Exporters of Oil ¹

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Non-Communist Countries ²										
Abu Dhabi	695	928	1,050	1,293	1,420	1,369	1,582	1,643	1,425	1,405
Algeria	985	693	1,007	1,029	938	940	985	1,065	1,080	1,025
Indonesia	725	749	943	1,167	1,160	1,095	1,326	1,473	1,387	1,225
Iran	3,519	4,173	4,675	5,424	5,529	4,886	5,330	4,986	4,530	2,465
Iraq	1,496	1,619	1,437	1,930	1,853	2,064	2,258	2,194	2,411	3,250
Kuwait	2,831	3,009	3,136	2,847	2,396	1,944	2,128	1,938	2,088	2,365
Libya	3,312	2,747	2,214	2,174	1,490	1,478	1,900	2,034	1,954	1,985
Nigeria	1,051	1,486	1,759	1,993	2,183	1,719	2,024	2,044	1,831	2,135
Saudi Arabia	3,564	4,481	5,764	7,346	8,244	6,932	8,422	8,950	8,064	9,100
Venezuela	3,465	3,282	3,065	3,150	2,752	2,086	2,132	1,963	1,935	2,070
Communist Countries										
USSR	1,920	2,110	2,140	2,380	2,340	2,600	2,970	3,050	3,311	3,162

¹ Including refined products.

² Excluding bunkers.

Table 91

Thousand Barrels per Day

Major Importers of Oil

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
OECD										
United States	3,419	3,926	4,741	6,256	6,088	6,056	7,295	8,808	8,364	8,411
Canada	800	866	941	1,054	901	870	764	739	677	634
Japan	4,206	4,442	4,839	5,576	5,460	5,008	5,235	5,454	5,347	5,635
European Community										
France	2,146	2,333	2,557	2,875	2,742	2,278	2,598	2,514	2,494	2,762
Italy	2,345	2,426	2,485	2,669	2,516	2,121	2,268	2,302	2,363	2,435
United Kingdom	2,487	2,586	2,613	2,738	2,585	2,067	2,052	1,691	1,596	1,471
West Germany	2,676	2,764	2,880	3,046	2,796	2,509	2,809	2,768	2,848	2,972
Other Countries										
Brazil	380	456	515	751	728	731	837	837	945	N.A.
India	264	304	313	343	340	320	316	356	376	N.A.
Philippines	188	186	188	191	188	197	213	216	217	N.A.
Thailand	105	129	151	172	142	167	174	186	218	N.A.

Table 92

Thousand Barrels per Day

Imports of Crude Oil and Refined Products
by the OECD Countries, 1979

	OECD	US ¹	Japan	Canada	Total	Western Europe							Aus- tralia	New Zealand
						West Germany	France	UK	Italy	Netherlands	Spain	Other		
Algeria	1,108	634	6	10	458	196	102	15	59	18	30	38	0	0
Bahrain	34	1	33	0	Negl.	0	0	Negl.	0	0	0	0	0	0
Egypt	129	55	0	7	67	8	0	59	0	0	0	0	0	0
Iraq	2,064	108	265	10	1,665	45	489	119	448	40	117	407	16	0
Kuwait	1,586	30	604	16	870	63	97	216	233	183	31	47	57	9
Libya	1,869	802	7	0	1,055	358	83	12	306	24	110	162	5	0
Qatar	386	37	140	0	209	10	76	6	23	25	28	41	0	0
Saudi Arabia	7,245	1,441	1,871	183	3,639	359	893	301	677	378	344	687	90	21
Syria	69	9	Negl.	0	60	17	43	0	0	0	0	0	0	0
UAE	1,592	329	510	0	730	151	173	59	56	86	99	106	23	0
OAPEC	16,082	3,446	3,436	226	8,753	1,207	1,956	787	1,802	754	759	1,488	191	30
Ecuador	51	49	0	2	0	0	0	0	0	0	0	0	0	0
Gabon	116	48	0	0	68	18	29	0	2	10	8	1	0	0
Indonesia	1,222	423	764	0	13	9	2	0	1	1	0	0	20	2
Iran	1,941	440	520	40	932	233	140	66	47	112	89	245	4	5
Nigeria	2,072	1,134	2	0	936	294	193	10	60	263	4	112	0	0
Venezuela	1,482	942	8	209	322	32	84	31	50	15	44	66	1	0
OPEC ²	22,734	6,417	4,697	470	10,897	1,768	2,361	835	1,962	1,155	904	1,912	216	37
Canada	545	532	0	0	13	4	0	1	1	6	1	0	0	0
Mexico	437	437	0	0	0	0	0	0	0	0	0	0	0	0
Other ³	3,320	960	905	147	2,143 ⁴	1,175	358	576	472	591	137	1,888	42	40
Total ⁵	27,268	8,411	5,635	624	13,180 ⁴	2,972	2,762	1,471	2,435	1,752	1,042	3,800	258	77
Consumption	40,902	18,434 ⁶	5,499	1,827	14,422	2,901	2,422	1,900	1,909	839	1,031	3,420	636	84

¹ Products traced to source of crude.² OAPEC members excluding Bahrain, Egypt, and Syria plus other countries shown.³ Including unknown.⁴ Excluding Intra-West European trade.⁵ Including bunkers, refinery fuel, and losses.⁶ Including refinery gain.

Petroleum Products Production ¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States	7.25	8.54	11.27	12.88	12.11	13.50	14.50	15.74	15.77	15.68
Canada	0.72	0.90	1.23	1.63	1.73	1.64	1.73	1.83	1.80	1.91
Japan	0.51	1.36	3.31	4.86	4.13	4.15	4.61	4.71	4.68	4.76
Spain	0.12	0.27	0.62	0.85	0.84	0.86	1.01	0.96	0.98	0.99
Sweden	0.06	0.08	0.24	0.21	0.20	0.21	0.29	0.29	0.31	0.32
European Community	3.05	5.87	10.2	11.7	11.2	9.68	10.6	10.6	10.7	11.3
Belgium	0.13	0.30	0.56	0.71	0.58	0.56	0.53	0.71	0.65	0.68
France	0.59	1.14	1.94	2.52	2.40	2.12	2.42	2.36	2.34	2.52
Italy	0.54	1.22	2.14	2.28	2.25	1.87	2.02	2.02	2.13	2.16
Netherlands	0.35	0.54	1.07	1.30	1.14	1.02	1.21	1.13	1.09	1.14
United Kingdom	0.82	1.21	1.93	2.11	2.19	1.85	1.93	1.84	1.90	1.93
West Germany	0.52	1.21	2.09	2.26	2.10	1.81	2.01	2.11	2.10	2.36
Communist Countries ²										
USSR and Eastern Europe	2.66	4.12	6.02	7.69	8.18	8.80	9.07	9.55	10.1	10.4
USSR	2.30	3.50	5.00	6.25	6.70	7.20	7.30	7.70	8.10	8.40
Eastern Europe	0.36	0.62	1.02	1.44	1.48	1.60	1.77	1.85	1.97	2.03
Bulgaria	Negl.	0.04	0.11	0.18	0.20	0.19	0.20	0.22	0.23	0.25
Czechoslovakia	0.04	0.11	0.18	0.26	0.27	0.29	0.32	0.34	0.35	0.35
East Germany	0.04	0.10	0.19	0.30	0.30	0.31	0.33	0.35	0.36	0.37
Hungary	0.05	0.07	0.11	0.15	0.16	0.19	0.20	0.20	0.23	0.23
Poland	0.02	0.07	0.14	0.21	0.20	0.26	0.29	0.31	0.32	0.32
Romania	0.21	0.23	0.29	0.34	0.35	0.36	0.43	0.43	0.48	0.51
Other										
Cuba	N.A.	0.07	0.09	0.10	0.11	0.11	0.11	0.12	0.12	0.12
Yugoslavia	0.03	0.06	0.13	0.18	0.20	0.20	0.22	0.25	0.27	0.30

¹ Unless otherwise indicated, data are for the following products, where they are produced: gasoline, kerosene, distillate fuel oil, lubricating oil, residual and other petroleum products, natural gasoline, and liquefied petroleum gases. Data exclude some minor miscellaneous products such as white spirits and asphalt.

² Data include products from indigenous and imported natural crude oil and from synthetic sources. Synthetic production is not included in production for the USSR.

Table 94

Natural Gas Production ¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD ²										
United States ³	13,700	18,200	27,100	31,100	30,700	29,500	29,700	30,100	29,600	30,500
Australia ⁴	12,770	16,040	21,920	22,650	21,600	20,110	19,950	20,025	19,975	20,375
Canada	Negl.	Negl.	53	145	160	175	200	230	255	285
	525	1,440	2,275	3,120	3,045	3,090	3,095	3,230	3,130	3,345
European Community	356	613	2,680	5,010	5,700	5,950	6,250	6,350	6,030	6,240
France	100	178	243	260	270	260	250	270	280	275
Italy	228	276	465	540	540	515	555	455	465	455
Netherlands	12	57	1,117	2,640	3,120	3,385	3,615	3,610	3,310	3,490
United Kingdom	Negl.	4	398	1,020	1,230	1,275	1,315	1,435	1,350	1,365
West Germany	16	98	465	550	540	515	515	580	625	630
Other Countries										
Argentina	49	149	212	240	255	280	290	305	295	285
Iran	34	43	71	695	785	770	760	740	685	355
Kuwait	33	63	180	185	185	185	195	210	220	245
Mexico ⁵	222	250	481	540	560	585	580	600	745	920
Venezuela	163	250	349	460	475	450	480	525	510	515
Communist Countries ⁶										
USSR and Eastern Europe	2,040	5,230	8,240	10,000	10,900	12,000	13,300	14,200	15,200	16,300
USSR ³	1,600	4,508	6,990	8,346	9,201	10,215	11,334	12,219	13,141	14,380
Eastern Europe	435	719	1,250	1,660	1,710	1,800	2,000	1,990	2,060	1,930
Bulgaria	0	3	17	8	6	4	1	Negl.	1	5
Czechoslovakia	51	34	43	37	34	33	35	35	41	35
East Germany	1	5	44	248	273	257	305	300	300	300
Hungary	12	39	123	170	180	183	215	233	259	230
Poland	19	46	176	205	195	204	229	245	269	247
Romania	352	592	847	989	1,019	1,115	1,216	1,181	1,190	1,116
Far East										
China	N.A.	39	136	226	260	325	360	441	485	512
Other										
Yugoslavia	2	12	35	47	51	55	61	67	68	66

¹ Data include only gas from natural gas wells and associated gas from petroleum fields.

² Data are for net production—that is, for gas actually collected and utilized as fuel or raw material. They exclude gas used for repressuring, as well as gas flared, vented, or wasted, whether or not it has been processed for the extraction of natural gasoline.

³ Data for the United States are in terms of net marketed production.

Data for the USSR refer to gross production less losses and waste. US gross production (less losses and waste), which includes gas returned to

reservoirs in order to maintain horizon pressure, would be as follows (in billion cubic feet):

1960 1965 1970 1973 1974 1975 1976 1977 1978 1979
14,510 17,660 23,790 24,070 22,850 21,100 20,940 21,100 21,310 21,400

A much smaller share of total production in the USSR is believed to be used for repressuring.

⁴ Twelve months ending 30 June of the stated year.

⁵ Including gas used for repressuring and gas wasted.

⁶ Gross production.

Table 95

Hard Coal Production ¹

Million Metric Tons

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD	923	992	983	914	898	953	974	986	952	1,050
United States	391.53	475.28	550.39	530.13	539.34	576.19	598.12	604.66	575.13	668.56
Australia	21.90	30.06	45.21 ²	55.48 ²	57.97 ²	60.70 ²	68.82 ²	76.97 ²	79.90 ²	83.14 ²
Canada	8.02	8.64	11.60	16.82	17.78	21.71	20.80	23.04	25.57	27.53
Japan ³	51.07	49.53	39.69	22.41	20.33	19.00	18.40	18.25	18.99	17.64
Spain	13.78	12.94	10.75	10.00	10.45	10.82	10.70	12.07	12.05	11.69
European Community	432	409	317	272	244	257	251	244	234	235
Belgium	22.47	19.79	11.36	8.84	8.11	7.89	7.66	7.07	6.48	6.16
France	55.96	51.35	37.36	26.35	24.01	23.64	23.30	22.99	19.64	18.61
United Kingdom ⁴	196.71	190.50	147.11	132.02	110.45	128.68	123.79	122.15	123.54	122.81
West Germany ⁵	143.26	135.46	116.34	102.99	100.89	96.76	95.90	91.31	83.94	86.92
Other Countries										
India	52.59	67.16	73.69	77.87	84.08	95.89	100.87	100.12	101.54	103.45
South Africa	38.17	48.46	54.61	62.35	66.06	69.44	76.45	85.57	90.36	97.00
South Korea	5.35	10.25	12.39	13.57	15.29	17.58	16.43	17.23	18.06	18.20
Communist Countries										
USSR and Eastern Europe	496	556	613	657	675	696	712	728	733	738
USSR	355.92	397.64	432.72	461.22	473.37	485.00	494.00	503.00	501.00	497.00
Eastern Europe	140	158	180	196	201	211	218	225	232	241
Bulgaria	0.57	0.55	0.40	0.35	0.31	0.33	0.30	0.29	0.27	0.27
Czechoslovakia	26.40	27.76	28.20	27.78	27.97	28.12	28.27	27.96	28.30	28.46
East Germany	2.72	2.21	1.05	0.75	0.59	0.54	0.46	0.35	0.09	0.05
Hungary	2.85	4.36	4.15	3.41	3.21	3.02	2.93	2.93	2.95	3.00
Poland	104.44	118.83	140.10	156.63	162.00	171.62	179.30	186.11	192.62	201.00
Romania	3.40	4.66	6.40	7.17	7.11	7.32	7.11	7.15	7.42	8.19
Far East										
China ⁶	280.00	232.20	327.40	398.10	409.00	478.00	483.00	550.00	618.00	635.00
North Korea	6.80	12.30	21.80	26.40	25.80	30.40	31.20	32.00	33.60	34.60
Other										
Yugoslavia	1.28	1.17	0.64	0.58	0.60	0.60	0.59	0.51	0.47	0.43

¹ Unless otherwise indicated, data are for net production of anthracite and bituminous coal.² Twelve months ending 30 June of the stated year.³ Including low-quality coal at its hard-coal equivalent.⁴ Excluding data for Northern Ireland.⁵ Including brown coal.⁶ Raw production. Including a negligible amount of brown coal.

Table 96

Brown Coal and Lignite Production

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD	111	155	166	190	202	210	236	231	240	264
United States	2.49	4.56	7.21	12.88	14.06	17.69	23.22	27.83	32.83	35.19
Australia	15.21	20.99	24.18 ¹	24.68 ¹	27.30 ¹	28.18 ¹	30.94 ¹	29.27 ¹	32.87 ¹	32.51 ¹
Austria	5.97	5.45	3.67	3.63	3.63	3.40	3.22	3.13	3.07	2.74
Canada	1.97	1.87	3.46	3.65	3.48	3.55	4.68 ¹	5.48	5.05	4.93
Greece	2.49	5.09	8.08	13.57	14.40	18.41	22.57	23.57	22.37	29.44
Spain	1.76	2.77	2.83	3.00	2.88	3.38	4.15	5.81	7.66	10.62
Turkey	1.91	3.09	4.44	5.73	6.34	7.11	8.25	8.80	8.78	14.10
European Community	102	108	112	123	130	128	139	127	127	134
France	2.28	2.69	2.78	2.76	2.79	3.19	3.19	3.08	2.75	2.45
West Germany	96.22	101.91	107.77	118.66	126.04	123.38	134.54	122.92	123.56	130.58
Other Countries										
India	0.05	2.30	3.54	3.32	3.04	2.79	3.90	3.59	3.64	3.26
Communist Countries										
USSR and Eastern Europe ²	469	550	587	588	589	602	602	615	622	623
USSR	134.21	147.44	144.74	153.47	157.18	160.00	160.00	160.00	163.00	161.00
Eastern Europe	335	403	442	434	432	442	442	455	459	462
Bulgaria	15.42	24.49	28.85	26.46	24.00	27.52	25.18	24.89	25.53	27.73
Czechoslovakia	57.89	72.33	81.30	81.25	82.16	86.27	89.47	93.24	94.88	96.20
East Germany	225.47	250.84	261.48	246.25	243.47	246.71	246.90	253.70	253.26	252.80
Hungary	23.68	27.08	23.68	23.37	22.55	21.87	22.32	22.53	22.72	22.66
Poland	9.33	22.63	32.77	39.22	39.83	39.87	39.30	40.76	41.00	38.08
Romania	3.36	5.63	14.13	17.68	19.79	19.77	18.73	19.63	21.84	24.57
Far East ³										
North Korea ⁴	3.80	5.50	5.70	6.60	N.A.	7.60	7.80	8.00	8.40	8.60
Other										
Yugoslavia	21.43	28.79	27.78	31.87	32.98	34.94	36.26	38.57	39.22	41.33

¹ Twelve months ending 30 June of the year stated.² Net output.³ Negligible production for China.⁴ Including unknown amounts of hard coal.

Electricity Production ¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD ²	1,710	2,430	3,520	4,300	4,340	4,400	4,600	4,890	4,970	5,140
United States	893.72	1,229.64	1,742.73	2,081.23	2,086.28	2,131.00	2,169.73	2,361.71	2,389.90	2,432.46
Of which: Hydro	149.12	196.98	250.70	275.33	303.95	303.15	283.71	223.97	283.83	281.55
Australia	23.20	36.91	53.89	64.80	69.74	73.93	76.60	82.52	88.52	93.70
Canada	115.10	146.32	208.34	268.64	285.48	278.74	300.16	323.81	342.74	359.65
Japan	111.49	188.38	359.54	470.29	459.04	475.79	511.78	532.61	500.87	512.07
Norway	31.14	48.95	57.61	73.06	76.70	77.48	82.33	79.72	81.11	88.99
Spain	18.61	31.72	56.49	76.27	80.86	82.38	90.82	93.80	99.26	105.41
Sweden	34.72	49.11	60.64	78.08	75.13	80.57	86.42	90.02	92.90	97.13
European Community	423	618	856	1,020	1,030	1,030	1,110	1,130	1,180	1,250
Belgium	15.15	21.71	30.52	41.07	42.76	41.07	47.35	47.10	50.84	52.26
France	75.01	105.58	146.97	182.36	188.18	185.31	203.09	210.84	222.55	241.13
Italy	56.24	82.97	117.42	145.52	148.90	147.33	163.55	166.55	174.77	180.53
Netherlands	16.52	25.01	40.86	52.63	55.35	54.26	58.14	58.28	61.70	64.45
United Kingdom	136.97	196.50	249.11	281.87	273.13	271.99	276.88	283.27	287.74	299.96
West Germany	116.42	172.34	242.61	299.00	311.71	301.80	333.65	335.32	353.41	374.22
Communist Countries										
USSR and Eastern Europe	406	677	987	1,220	1,290	1,380	1,480	1,530	1,600	1,640
USSR	292.27	506.67	740.93	914.61	975.75	1,038.61	1,111.42	1,150.07	1,201.90	1,239.00
Of which: Hydro	50.91	81.43	124.38	122.34	132.03	125.99	135.74	147.01	169.70	172.00
Eastern Europe	114	170	246	301	319	340	364	381	402	405
Bulgaria	4.66	10.25	19.52	21.96	22.81	25.24	27.75	29.71	31.49	32.98
Czechoslovakia	24.46	34.19	45.16	53.47	56.03	59.28	62.75	66.50	69.10	68.04
East Germany	40.30	53.61	67.65	76.91	80.29	84.51	89.15	92.00	95.96	96.80
Hungary	7.62	11.18	14.54	17.64	18.98	20.46	22.05	23.40	25.54	24.52
Poland	29.26	43.77	64.53	84.27	91.60	97.17	104.10	109.36	115.56	117.46
Romania	7.65	17.22	35.09	46.78	49.06	53.72	58.27	59.86	64.26	64.91
Far East										
China	N.A.	63.00	107.00	150.00	164.00	187.00	203.46	223.40	256.55	281.95
North Korea	9.14	13.40	16.50	19.60	22.10	22.00	21.80	20.00	22.00	25.00
Other										
Albania	0.19	0.34	0.96	1.55	1.65	1.66	N.A.	1.86	2.08	2.80
Cuba	2.90	3.56	4.89	5.70	6.02	6.58	7.20	7.69	8.46	9.48
Yugoslavia	8.93	15.52	26.02	35.06	39.46	40.04	43.57	48.58	51.25	54.30

¹ Data are for total (gross) production at generating centers and therefore include transmission losses and station use (see footnote 2).

² Data are gross production or estimates of gross production based on reported net, adjusted by increasing by 7.5 percent the thermal electric production to include production that is consumed by the station itself. Hydroelectric production that is consumed by the station itself is a negligible part of the gross production. Therefore, no attempt has been made to adjust the net production for hydroelectric power.

Installed Electricity Generating Capacity ¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States	186.53	254.52	360.33	459.25	495.36	527.35	550.37	576.04	579.16	598.30
Canada	23.03	29.35	42.83	54.38	57.53	61.35	65.99	70.58	74.67	N.A.
Japan ²	23.64	41.00	68.26	95.50	104.21	112.28	116.87	122.35	131.22	N.A.
Norway	6.61	9.92	12.91	15.44	16.39	16.93	17.16	17.56	N.A.	N.A.
Spain	6.57	10.17	17.91	23.20	24.32	25.76	26.59	27.55	28.28	N.A.
Sweden	8.96	12.04	15.31	19.46	20.77	23.14	24.44	24.73	25.32	N.A.
European Community										
France	21.17 ³	26.97 ³	36.22	43.09	44.62	46.29	48.41	52.45	54.34	N.A.
Italy	16.31 ³	23.82 ³	30.41	36.51	38.34	39.10	40.66	42.58	43.49	N.A.
Netherlands	5.18	7.29	10.11	12.46	12.99	15.45	15.54	17.18	17.04	N.A.
United Kingdom	36.60 ³	49.29 ³	62.06	72.65	74.11	73.92	72.81	72.67	72.79	N.A.
West Germany	28.38 ³	40.60 ³	47.54	58.50	66.17	70.11	77.05	83.58	84.33	N.A.
Communist Countries										
USSR and Eastern Europe										
USSR	66.72	115.03	166.15	195.56	205.44	217.48	228.31	237.81	245.44	256.00
Eastern Europe										
Bulgaria	0.92	2.16	4.12	5.11	6.17	7.06	7.21	7.08	7.98	8.10
Czechoslovakia	5.66	8.21	10.81	12.12	12.81	13.64	14.55	15.15	16.09	17.20
East Germany	7.90	10.35	12.67	15.04	15.91	17.03	17.57	18.07	18.57	19.10
Hungary	1.48	2.00	2.75	3.23	3.74	4.29	4.67	5.20	5.54	5.80
Poland	6.32	9.67	13.89	17.73	19.13	20.06	20.48	21.75	23.83	25.20
Romania	1.78	3.26	7.35	10.12	10.58	11.58	12.32	13.63	14.15	15.00
Far East										
North Korea	1.88	2.12	3.38	4.00	4.50	4.60	4.80	5.20	5.30	5.40
Other										
Cuba ⁴	0.94	0.96	1.30	1.30	1.32	1.40	1.40	1.45	1.90	2.17
Yugoslavia	2.40	3.73	6.97	8.65	8.88	9.43	9.95	11.10	12.08	12.70

¹ All plants for both public and industrial use. Unless otherwise indicated, data are as of the end of the year.² Data are for the year beginning 1 April of the stated year.³ Gross capacity.⁴ Including 410,000-kW capacity in industrial plants not linked to the national grid system.

Installed Nuclear Electric Generating Capacity ¹

	1960	1970	1974	1975	1976	1977	1978	1979
OECD	0.9	14.3	49.2	62.7	72.0	84.3	93.3	107
United States	0.4	6.0	29.4	37.4	40.8	47.6	50.1	51.3
Canada	0	0.2	2.5	2.5	2.5	4.0	4.8	5.5
Japan	0	0.8	3.7	5.0	7.1	7.6	11.0	14.5
Finland	0	0	0	0	0	0.4	0.4	1.1
Spain	0	0.2	1.1	1.1	1.1	1.1	1.1	1.1
Sweden	0	Negl.	1.0	2.4	3.2	3.7	3.7	3.7
Switzerland	0	0.4	1.0	1.0	1.0	1.0	1.0	1.9
European Community	0.5	6.7	10.5	13.3	16.3	18.9	21.2	27.5
Belgium	0	Negl.	Negl.	1.7	1.7	1.7	1.7	1.7
France	0.1	1.7	2.9	2.9	2.9	2.9	4.7	8.3
Italy	0	0.6	0.6	0.6	0.6	0.6	1.4	1.4
Netherlands	0	0.1	0.5	0.5	0.5	0.5	0.5	0.5
United Kingdom	0.4	3.4	4.3	4.3	5.7	7.0	7.0	7.0
West Germany	Negl.	0.9	2.2	3.3	4.9	6.2	5.9	8.6
Other Countries								
Argentina	0	0	0.3	0.3	0.3	0.3	0.3	0.3
India	0	0.4	0.6	0.6	0.6	0.6	0.6	0.6
Pakistan	0	0	0.1	0.1	0.1	0.1	0.1	0.1
South Korea	0	0	0	0	0	0	0.6	0.6
Taiwan	0	0	0	0	0	0	0.6	1.2
Communist Countries								
USSR and Eastern Europe	Negl.	1.0	4.8	6.8	8.3	9.3	11.2	13.3
USSR	Negl.	0.9	3.8	4.8	6.3	7.3	8.3	10.2
Eastern Europe	0	0.1	1.0	2.0	2.0	2.0	2.9	3.1
Bulgaria	0	0	0.4	0.9	0.9	0.9	0.9	0.9
Czechoslovakia	0	0	0.1	0.1	0.1	0.1	0.6	0.4
East Germany	0	0.1	0.5	1.0	1.0	1.0	1.4	1.8

¹ Data are as of the end of the year and presented on a net basis except for Communist countries which are gross capacities.

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Iron Ore Production ¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD ²										
United States ³	90.21	88.84	91.20	89.08	85.71	80.13	79.99	55.75	82.78	86.50
Australia	4.40	6.80	51.20 ⁴	84.83 ⁴	96.95 ⁴	97.65 ⁴	93.26 ⁴	95.92 ⁴	83.49 ⁴	86.40 ⁴
Canada ⁵	19.55	36.25	47.46	50.20	50.00	46.90	58.56	53.62	39.62	60.96
Sweden	21.69	29.48	31.51	34.73	36.20	30.90	17.12	12.84	22.00	N.A.
European Community	112	93.3	80.9	70.8	65.7	60.4	54.7	44.9	40.5	38.7
France	66.91	59.52	56.80	54.23	54.27	49.65	45.18	36.64	33.45	32.50
Luxembourg	6.98	6.32	5.72	3.78	2.69	2.32	2.08	1.55	0.83	0.50
United Kingdom	17.36	15.66	12.02	7.10	3.60	4.49	4.58	3.74	4.24	3.95
West Germany ⁶	18.90	10.80	5.53	5.07	4.44	3.29	2.26	2.47	1.60	1.40
Other Countries ⁷										
Brazil	9.35	20.75	40.20	50.50	75.50	89.90	94.09	82.00	85.54	87.40
India	10.70	23.80	31.37	35.60	33.50	41.41	43.86	42.59	38.15	45.70
Liberia	3.10	16.00	23.70	23.54	23.79	24.00	18.81	18.14	18.80	N.A.
Venezuela	19.49	17.51	22.10	23.11	26.42	24.77	18.69	13.68	13.60	13.70
Communist Countries										
USSR and Eastern Europe	115	165	206	226	235	242	248	248	253	249
USSR	105.86	153.43	195.49	216.10	224.83	232.80	239.11	239.72	244.23	241.00
Eastern Europe	9.34	12.0	10.8	10.3	10.0	9.59	8.93	8.54	8.74	7.86
Bulgaria	0.42	1.80	2.41	2.77	2.68	2.34	2.32	2.27	2.45	2.00
Czechoslovakia	3.12	2.45	1.61	1.67	1.69	1.77	1.90	1.99	2.02	2.00
East Germany	1.64	1.63	0.42	0.52	0.53	0.59	0.60	0.63	0.70	0.60
Hungary	0.52	0.76	0.63	0.68	0.54	0.64	0.60	0.52	0.53	0.53
Poland	2.18	2.86	2.55	1.44	1.30	1.19	0.67	0.66	0.53	0.25
Romania	1.46	2.48	3.21	3.23	3.26	3.06	2.84	2.47	2.51	2.48
Far East										
China	100.00	38.30	72.30	107.20	99.90	109.00	105.00	89.00	124.00	134.00
North Korea	2.50	4.96	6.50	N.A.	N.A.	N.A.	N.A.	6.00	7.00	7.00
Other										
Albania	0.25	0.40	0.40	0.43	0.45	0.47	0.55	0.60	0.65	0.70
Yugoslavia	2.20	2.50	3.69	4.67	5.03	5.24	4.26	4.45	4.56	4.62

¹ Unless otherwise indicated, data are for the gross amount of marketable iron ores in the state in which they leave the mines, including manganese ores but excluding pyrites.

² The metal content of the ore in the OECD countries follows: United Kingdom and West Germany, 28-31 percent; Luxembourg, 25 percent; France, 32 percent; United States and Canada, 61-62 percent; and Australia and Sweden, 60-65 percent.

³ Excluding manganese iron ore containing 5 percent or more of manganese.

⁴ Twelve months ending 30 June of the stated year.

⁵ Shipments.

⁶ Including data for West Berlin.

⁷ The metal content of the ore in the other countries ranges from 60 percent to 68 percent.

Table 101

Thousand Metric Tons

Manganese Ore Production ¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States ²	73	27	4	Negl.	0	0	0	0	0	0
Australia	62	102	751	1,520	1,520	1,560	2,150	1,390	1,540	1,638
Italy	49	48	50	25	14	0	4	9	9	9
Japan	324	303	270	189	167	158	142	126	107	91
Other Countries										
Brazil	999	1,400	1,880	1,620	1,790	2,160	1,696	1,516	1,650	1,700
Gabon	0	1,280	1,450	1,920	2,060	2,240	2,152	1,773	1,568	1,800
Ghana ³	545	604	405	318	250	409	312	291	316	300
India	1,200	1,650	1,650	1,490	1,500	1,580	1,835	1,265	1,567	1,630
South Africa	1,190	1,570	2,680	4,180	4,745	5,770	5,452	5,050	5,250	5,182
Zaire	382	378	347	334	288	309	200	45	N.A.	N.A.
Communist Countries										
USSR and Eastern Europe	6,350	8,040	7,230	8,530	8,380	8,340	N.A.	N.A.	9,240	10,200
USSR	5,872	7,576	6,841	8,245	8,155	8,459	8,636	8,595	9,057	10,000
Eastern Europe	477	461	390	282	220	278	N.A.	N.A.	182	177
Bulgaria	25	42	33	38	34	35	40	40	40	40
Hungary	123	213	169	136	114	131	116	120	114	95
Romania	175	126	102	108	72	112	N.A.	N.A.	28	42
Other										
Yugoslavia	13	8	15	10	13	17	19	25	27	25

¹ The metal content of the ore of various countries is as follows: the United States, more than 35 percent; other non-Communist countries and Cuba, 30-53 percent; the USSR, about 35 percent; Yugoslavia, about 35 percent; Romania, 30 percent; Bulgaria, about 27 percent; and Hungary, 26 percent.

² Shipments.

³ Dry weight.

Table 102

Metric Tons

Tungsten Ore Production ¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States ²	3,160	3,430	4,220	3,200	3,550	2,490	2,660	2,730	3,130	2,990
Australia	1,900	950	1,260	1,320	1,420	1,880	2,510	2,940	2,680	3,040
Austria	110	90	80	0	0	360	540	1,120	1,180	1,180
Canada ²	0	1,340	1,340	1,670	1,280	1,170	1,720	1,810	2,290	2,600
France	340	0	80	700	710	620	630	650	610	590
Japan	470	340	850	870	810	770	810	770	750	770
Portugal	1,390	780	1,080	1,510	1,470	1,420	1,260	1,005	1,090	1,270
Spain	440	20	410	310	350	350	328	270	350	320
Turkey	0	0	0	0	0	0	10	10	15	130
Other Countries										
Bolivia	1,020	870	1,840	1,930	2,030	2,570	3,040	2,980	3,171	3,114
Brazil	810	180	1,160	1,050	990	1,130	980	1,190	1,180	1,360
Burma	470	160	220	510	340	490	470	450	670	680
Mexico	90	90	290	350	310	280	230	190	230	195
Peru	230	380	800	860	700	580	590	530	580	500
Rwanda	230	130	180	300	280	350	430	450	390	390
South Korea	2,730	2,130	2,070	2,040	2,290	2,400	2,590	2,630	2,590	2,590
Thailand	210	260	710	2,400	2,040	1,640	1,890	2,030	3,190	2,100
Communist Countries										
USSR	5,400	6,660	6,900	7,600	7,850	8,100	8,300	8,500	8,800	9,000
Far East										
China	13,990	8,140	5,470	8,900	8,140	6,710	5,660	6,605	7,075	N.A.

¹ Data are for the estimated tonnage of contained tungsten.² Shipments.

Table 103

Thousand Metric Tons

Chromite Production ¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
Finland	0	0	121	148	165	331	414	602	507	510
Greece	31	51	26	18	10	35	34	40	40	36
Japan	68	42	33	24	26	24	22	18	9	9
Turkey	481	567	519	436	661	717	708	690	680	680
Other Countries										
India	101	60	271	288	396	500	402	351	266	270
Iran	68	129	200	140	175	172	160	165	165	135
Madagascar	0	2	131	158	156	194	221	180	138	135
Philippines	735	555	566	581	530	520	431	538	533	560
Rhodesia	606	586	363	544	590	590	610	600	600	600
South Africa	772	942	1,427	1,649	1,950	2,078	2,409	3,318	3,144	3,100
Communist Countries ²										
USSR	1,200	2,500	3,000	3,300	3,400	3,500	3,500	3,400	3,300	3,200
Albania	289	312	466	611	715	779	833	880	1,010	1,020
Cuba	10	14	8	13	13	13	7	N.A.	N.A.	N.A.
Yugoslavia	101	80	41	10	6	2	2	2	2	2

¹ Data are in gross weight.² Production of chrome ore. In the Communist countries, the chromic oxide content is estimated as follows: USSR, 46 percent; Albania, 45 percent; Cuba, 35 percent; and Yugoslavia, 26 percent.

Table 104

Bauxite Production

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States	5,370	7,060	16,900	25,800	28,400	29,000	31,500	33,600	31,100	33,300
Australia	2,030	1,680	2,120	1,910	1,980	1,800	1,989	2,013	1,669	1,750
Greece	70	1,190	9,260	17,600	20,000	21,000	24,084	26,071	24,300	26,500
European Community	884	1,270	2,290	2,750	2,780	3,010	2,551	2,882	2,630	2,700
France	2,380	2,910	3,220	3,190	2,970	2,600	2,350	2,090	2,000	2,020
Other Countries	2,070	2,660	2,990	3,130	2,940	2,560	2,330	2,059	1,978	2,000
Other Countries										
Guinea	1,378	1,870	2,490	3,050	7,600	8,400	11,316	11,300	12,000	12,500
Guyana	2,511	2,919	4,417	3,276	3,250	3,251	2,686	2,731	2,400	2,400
Jamaica	5,840	8,650	12,000	13,600	15,300	11,600	10,312	11,433	11,736	11,800
Surinam	3,460	4,360	6,020	7,110	6,710	4,930	4,613	4,924	5,200	5,000
Communist Countries										
USSR and Eastern Europe	4,380	6,790	8,970	10,400	10,900	11,200	11,500	11,800	12,000	12,300
USSR ¹	3,100	5,300	6,700	7,500	7,800	8,000	8,200	8,500	8,800	9,000
Eastern Europe	1,280	1,490	2,270	2,900	3,050	3,240	3,270	3,300	3,250	3,330
Hungary	1,190	1,477	2,022	2,600	2,751	2,890	2,918	2,949	2,899	2,976
Romania	88	12	250	300	300	350	350	350	350	350
Far East										
China ²	640	1,120	1,500	2,300	2,500	2,800	3,000	3,200	3,200	3,320
Other										
Yugoslavia	1,025	1,574	2,098	2,167	2,370	2,306	2,003	2,044	2,566	3,012

¹ Including nonbauxite ore such as nepheline and alunite for the production of alumina.

² Data are for aluminous shales and clays used for the manufacture of aluminum and exclude shales exported and those used for refractories, abrasives, and cement.

Metallurgical Coke Production ¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD ²										
United States	51.92	60.65	60.35	58.36	55.87	51.90	52.92	48.13	44.17	48.00
Australia	2.68	3.10	4.98	4.94	5.11	5.24	5.31	4.67	50.00	55.00
Canada ³	3.51	3.96	5.14	5.37	5.45	5.28	5.29	4.90	4.97	5.20
Japan	8.55	15.78	37.74	44.32	45.63	44.80	43.45	43.00	40.55	40.00
European Community	93.2	91.4	90.5	81.8	81.7	78.2	76.0	65.5	61.5	N.A.
Belgium	7.52	7.33	7.12	7.80	8.05	5.73	6.21	5.56	5.74	N.A.
France ³	13.64	13.41	14.15	11.88	11.68	10.99	11.31	10.77	10.70	10.50
Italy	3.72	5.74	7.04	7.67	8.57	8.11	7.97	7.68	7.31	7.30
Netherlands ³	4.52	4.28	2.00	2.66	2.68	2.68	2.81	2.50	2.40	N.A.
United Kingdom	19.14	17.38	20.28	17.80	15.77	15.86	15.75	11.51	9.87	N.A.
West Germany ⁴	44.68	43.29	39.91	34.00	34.92	34.82	31.95	27.50	25.45	N.A.
Communist Countries										
USSR and Eastern Europe	68.1	80.9	88.4	95.3	97.1	98.5	99.8	103	104	104
USSR	51.48	61.74	68.72	73.88	74.95	75.65	76.70	78.46	78.85	79.20
Eastern Europe	16.6	19.2	19.7	21.4	22.2	22.8	23.1	24.7	25.0	25.1
Bulgaria	0.02	0.68	0.77	1.11	1.18	1.24	1.27	1.30	1.27	1.30
Czechoslovakia	6.82	7.87	8.28	9.37	9.31	9.24	9.00	8.80	8.79	8.60
East Germany	0.74	0.94	0.53	0.47	0.56	0.56	0.69	0.65	0.63	0.63
Hungary ⁵	0.50	0.64	0.66	0.60	0.64	0.59	0.60	0.59	0.60	0.65
Poland	7.68	7.99	8.37	8.58	8.66	8.93	9.10	10.21	10.52	10.45
Romania	0.81	1.12	1.06	1.31	1.81	2.26	2.42	3.15	3.20	3.50
Far East										
China	N.A.	10.10	16.20	24.30	22.60	24.20	20.50	23.10	32.40	33.50
Other										
Yugoslavia	1.08	1.25	1.31	1.32	1.32	1.35	1.79	1.77	2.07	2.49

¹ Unless otherwise indicated, data are for oven and beehive coke and exclude breeze coke.

² Net production, excluding coke consumed by coking plants.

³ Including breeze coke.

⁴ Including electrode coke but excluding low-temperature coke.

⁵ A large part of this coke is produced in gas plants and is used with high-quality coke in charging blast furnaces.

Pig Iron Production

	1960 ¹	1965 ¹	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States	62.2	82.6	82.8	91.9	86.6	72.5	78.8	73.4	79.6	78.9
Australia	2.9	4.4	6.2	7.6	7.6	7.5	7.4	6.8	7.3	7.7
Canada	4.0	6.6	8.3	9.5	9.4	9.2	9.8	9.7	10.3	11.1
Japan	12.3	28.0	68.0	90.0	90.4	86.9	86.6	85.9	78.6	83.8
Spain	1.9	2.4	4.2	6.3	6.9	6.8	6.6	6.6	6.3	6.4
European Community	70.9	81.8	97.3	106	111	88.0	93.8	86.8	89.5	102
Belgium	6.5	8.3	10.9	12.7	13.1	9.1	9.9	8.9	10.3	10.8
France	14.4	15.8	18.8	19.5	22.0	17.5	18.7	17.9	18.1	19.4
Italy	2.8	5.6	8.3	10.1	11.7	11.4	11.6	11.4	11.3	11.3
United Kingdom	16.0	17.8	17.5	16.7	14.2	12.0	13.7	12.1	11.4	13.1
West Germany ²	25.8	27.0	33.2	36.5	39.8	29.8	31.8	29.0	30.1	39.0
Other Countries										
Brazil	1.8	2.4	4.2	5.5	5.8	7.1	8.4	9.7	10.3	10.9
India	4.3	7.2	7.1	7.5	7.3	8.3	9.8	9.8	9.4	8.7
South Africa	2.0	3.6	3.9	4.4	4.6	5.2	5.8	6.1	5.9	8.4
Communist Countries										
USSR and Eastern Europe	60.2	84.1	110	124	129	133	136	141	146	145
USSR	46.8	66.2	85.9	95.9	99.9	103.0	105.4	107.4	110.7	109.0
Eastern Europe	13.4	17.9	23.8	27.9	28.9	29.9	31.1	33.8	35.7	36.1
Bulgaria	0.2	0.7	1.2	1.6	1.5	1.6	1.6	1.7	1.5	1.5
Czechoslovakia	4.7	5.9	7.6	8.5	8.9	9.3	9.5	9.7	9.9	9.7
East Germany	2.0	2.3	2.0	2.2	2.3	2.5	2.5	2.6	2.6	2.5
Hungary	1.2	1.6	1.8	2.1	2.3	2.2	2.2	2.3	2.3	2.4
Poland	4.2	5.4	7.0	7.7	7.8	7.8	7.9	9.7	11.2	11.2
Romania	1.0	2.0	4.2	5.7	6.1	6.6	7.4	7.8	8.2	8.8
Far East										
China	27.5	13.8	22.0	33.7	31.4	33.8	28.8	25.0	34.8	36.7
North Korea	0.9	1.3	1.8	2.9	3.0	3.4	3.4	3.4	3.5	3.9
Other										
Yugoslavia	1.0	1.1	1.3	2.0	2.1	2.1	1.9	1.9	2.1	2.4

¹ Including ferroalloys.² Including data for West Berlin. Data include blast furnace ferroalloys except ferromanganese, ferrosilicon, and spiegeleisen.

Crude Steel Production ¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States ²	90.1	119.3	119.3	136.8	132.2	105.8	116.1	113.7	124.3	123.3
Australia ³	3.7	5.4	6.8	7.7	7.7	7.8	7.8	7.3	7.6	8.2
Canada	5.3	9.2	11.2	13.4	13.6	13.1	13.3	13.6	14.9	15.9
Japan	22.1	41.2	93.4	119.3	117.1	102.3	107.4	102.4	102.1	111.7
Spain	1.9	3.5	7.4	10.8	11.4	11.2	11.3	11.3	11.3	12.2
Sweden	3.2	4.7	5.5	5.6	6.0	5.6	5.1	4.0	4.3	4.7
European Community	97.6	114	138	150	156	126	134	126	135	139
Belgium	7.2	9.2	12.6	15.5	16.2	11.6	12.1	11.3	12.6	13.4
France	17.1	19.3	23.8	25.2	27.0	21.5	23.2	22.1	22.8	23.3
Italy	8.3	12.7	17.2	21.0	23.8	21.9	23.9	23.3	24.3	24.0
United Kingdom	24.7	27.5	28.3	26.7	22.4	20.2	22.3	20.4	22.4	21.5
West Germany ⁴	34.1	36.8	45.0	49.5	53.3	40.5	42.4	40.0	41.3	45.0
Other Countries										
Brazil ⁵	2.3	3.0	5.4	7.2	7.5	8.3	9.2	11.2	12.1	13.9
India	3.3	6.4	6.1	7.0	6.8 ⁶	7.1 ⁶	9.3	9.9	10.0	9.5
Communist Countries										
USSR and Eastern Europe	86.4	120	156	178	185	193	199	204	211	209
USSR	65.3	91.0	115.9	131.5	136.2	141.3	144.7	146.7	151.5	149.0
Eastern Europe	21.2	28.5	39.8	46.8	48.9	51.3	53.9	57.5	59.8	60.3
Bulgaria	0.2	0.6	1.8	2.2	2.2	2.3	2.5	2.6	2.5	2.5
Czechoslovakia	6.8	8.6	11.5	13.2	13.6	14.3	14.7	15.1	15.3	14.8
East Germany	3.8	4.3	5.0	5.9	6.2	6.5	6.7	6.8	7.0	7.0
Hungary	1.9	2.5	3.1	3.3	3.5	3.7	3.6	3.7	3.9	3.9
Poland	6.7	9.1	11.8	14.1	14.6	15.0	15.6	17.8	19.3	19.2
Romania	1.8	3.4	6.5	8.2	8.8	9.6	10.7	11.5	11.8	12.9
Far East										
China	18.7	12.2	17.8	25.0	21.0	24.0	20.5	23.7	31.8	34.4
North Korea	0.6	1.2	2.2	2.3	2.4	2.6	2.7	2.7	3.4	4.0
Other										
Cuba	N.A.	Negl.	0.1	0.2	0.2	0.3	0.2	0.3	0.3	N.A.
Yugoslavia	1.4	1.8	2.2	2.7	2.8	2.9	2.8	3.2	3.5	3.5

¹ Data are for ingots and steel for castings.³ Twelve months ending 30 June of the stated year.² Excluding steel for castings made in foundries operated by companies not producing ingots.⁴ Including data for West Berlin.⁵ Excluding alloy steel.⁶ Ingots only.

Table 108

Rolled Steel Production

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States ¹	69.35	90.09	82.37	101.09	99.31	72.54	81.14	82.69	88.85	90.96
Canada ¹	4.13	6.72	8.24	7.32	7.55	7.11	7.23	7.63	8.71	N.A.
Japan	17.20	33.38	76.03	101.94	100.49	86.28	93.21	90.67	91.39	N.A.
Spain ¹	1.27	3.16	5.46	8.36	9.80	8.94	9.42	9.34	N.A.	N.A.
European Community	76.7	89.6	111	123	124	98.6	106	104	113	N.A.
Belgium	5.88	7.72	10.26	12.60	13.19	9.10	9.56	9.36	10.49	N.A.
France	13.70	15.72	18.73	20.22	21.90	17.56	19.46	19.33	23.61	N.A.
Italy	7.78	10.62	14.76	18.36	17.20	15.41	16.97	17.41	18.00	N.A.
United Kingdom	18.41	20.76	22.18	21.36	18.35	15.57	17.10	16.51	16.35	N.A.
West Germany	25.84	28.48	35.97	40.23	43.16	32.98	34.22	33.05	35.14	N.A.
Communist Countries										
USSR and Eastern Europe	57.8	81.3	108	125	129	136	141	144	150	148
USSR	43.68	61.65	80.64	91.46	94.29	98.69	101.44	102.14	105.43	103.00
Eastern Europe	14.1	19.7	27.4	33.1	35.1	37.4	39.4	41.7	44.6	45.3
Bulgaria	0.19	0.43	1.42	2.10	2.24	2.50	2.76	2.95	3.08	3.12
Czechoslovakia	4.48	6.09	7.94	9.17	9.57	10.03	10.39	10.59	10.79	10.78
East Germany	2.61	2.99	3.41	3.88	4.10	4.28	4.59	4.78	5.00	5.10
Hungary	1.19	1.70	2.04	2.28	2.39	2.68	2.86	3.08	3.19	3.24
Poland	4.42	6.13	8.14	9.87	10.56	11.08	11.50	11.95	13.56	13.58
Romania	1.25	2.35	4.50	5.83	6.25	6.81	7.30	8.39	8.96	9.50
Far East										
China	11.30	9.10	13.40	17.50	14.70	16.80	14.70	16.00	22.00	25.00
Other										
Yugoslavia	0.97	1.19	1.77	2.04	2.24	2.36	2.44	3.33	4.14	4.14

¹ Steel mill products.

Table 109

Refined Nickel Production ¹

Thousand Metric Tons

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States	11.4	12.3	14.1	12.6	12.8	21.2	30.8	34.4	33.8	37.5
Australia ²	0	0	1.0	20.0	20.0	34.0	39.9	34.1	37.3	36.4
Canada	114.7	160.4	189.3	162.5	200.0	178.0	176.4	168.7	107.4	85.3
Greece	0	0	8.6	13.9	15.1	14.8	16.4	9.6	15.1	18.9
Japan	17.3	26.1	89.9	90.7	104.6	78.0	94.8	93.9	79.2	101.6
Norway	30.4	31.8	38.5	42.7	43.2	37.1	32.7	38.2	23.7	30.7
European Community	47.3	49.0	48.3	47.2	45.2	48.2	46.5	33.6	30.2	19.5
France ³	10.0	8.2	10.3	10.9	8.7	10.9	13.3	10.3	7.9	3.5
United Kingdom	34.3	40.5	36.7	36.8	35.7	37.3	33.1	23.2	21.4	15.0
Other Countries										
Dominican Republic	0	0	0	30.1	31.2	30.0	24.4	24.9	14.3	25.1
New Caledonia	11.4	15.6	27.9	35.8	48.5	52.8	38.2	28.3	19.9	31.1
Communist Countries ⁴										
USSR	72.0	100.0	137.0	170.0	180.0	195.0	215.0	220.0	230.0	235.0
Cuba ⁵	12.8	28.2	36.6	35.2	33.9	37.3	37.1	34.6	N.A.	N.A.

¹ Unless otherwise indicated, data are for refined metal and the nickel content of ferronickel and nickel oxide.

² Data are not comparable with those presented in previous editions of the Handbook of Economics which included nickel content of nickel matte exported and refined elsewhere.

³ Excluding data for New Caledonia.

⁴ Czechoslovakia and East Germany each produce a small amount of refined nickel.

⁵ Nickel content of oxides and sulfides.

Table 110

Refined Copper Production ¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States	1,642	1,957	2,065	2,117	1,952	1,622	1,737	1,707	1,869	2,015
Australia	84	95	146	178	194	192	188	183	175	173
Canada	378	394	493	498	559	529	510	509	446	411
Japan	248	366	705	951	996	819	864	934	959	978
Spain	N.A.	59	83	94	123	130	140	145	147	143
European Community	796	904	996	987	1,020	958	1,080	1,090	977	989
Belgium	212	280	338	368	379	332	425	465	389	428
United Kingdom	219	228	205	171	160	152	137	122	126	120
West Germany ²	309	342	406	407	424	422	447	440	403	379
Other Countries										
Chile	226	289	465	415	538	535	632	676	749	742
Peru	N.A.	40	36	39	39	72	140	187	185	218
Zaire	145	153	190	230	254	226	66	99	103	99
Zambia	403	522	581	638	677	629	694	648	628	584
Communist Countries										
USSR and Eastern Europe	576	840	1,220	1,510	1,610	1,750	1,800	1,890	1,980	2,020
USSR	475	700	1,015	1,200	1,250	1,320	1,350	1,400	1,460	1,500
Eastern Europe	101	140	204	313	361	428	448	488	516	521
Bulgaria	14	24	38	47	49	50	52	52	53	55
Czechoslovakia	10	12	17	18	21	23	22	23	24	25
East Germany	40	40	40	50	50	50	50	50	50	50
Hungary	8	12	12	10	10	13	14	15	15	15
Poland	22	37	72	156	194	249	270	307	332	336
Romania	7	15	25	32	37	43	40	41	42	40
Far East										
China	90	200	290	290	300	300	300	300	300	320
Other										
Albania	1	4	6	6	7	7	8	8	9	10
Yugoslavia	35	56	89	138	150	138	136	117	140	140

¹ Data are for primary and secondary refined copper produced from domestic and imported ores and scrap.

² Including data for West Berlin.

Table 111

Thousand Metric Tons

Primary Aluminum Production

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States	1,830	2,500	3,600	4,110	4,450	3,520	3,857	4,117	4,358	4,560
Australia	12	87	168	208	220	214	232	248	263	272
Canada	691	753	962	930	1,020	887	633	973	1,048	855
Greece	N.A.	N.A.	91	142	149	136	134	132	145	145
Japan	133	294	733	1,100	1,120	1,010	919	1,188	1,057	1,010
Norway ¹	171	276	522	623	663	595	618	628	640	670
Spain	29	52	120	161	191	210	211	211	212	272
European Community	692	735	952	1,520	1,840	1,820	1,880	1,990	2,010	2,020
France	238	340	382	359	394	383	385	400	391	390
Italy	84	124	146	184	216	190	206	260	268	272
United Kingdom ¹	29	36	40	252	293	308	335	349	346	354
West Germany ²	169	234	310	533	689	678	697	742	740	740
Other Countries										
Ghana	0	0	113	152	157	143	151	153	111	168
India	18	62	161	155	128	167	210	179	214	190
Communist Countries										
USSR and Eastern Europe	751	1,150	1,850	2,310	2,490	2,610	2,700	2,750	2,810	2,890
USSR	620	970	1,490	1,890	2,020	2,130	2,220	2,270	2,330	2,410
Eastern Europe	131	176	359	419	468	480	476	481	481	483
Czechoslovakia	20	26	31	48	50	43	36	37	37	37
East Germany	35	45	56	60	60	60	60	60	60	60
Hungary	50	58	66	68	69	70	70	71	71	72
Poland	26	47	99	102	102	103	103	104	100	97
Romania ³	0	0	107	141	187	204	207	209	213	217
Far East										
China	80	140	188	286	316	357	375	400	400	415
Other										
Yugoslavia	25	39	48	91	147	168	198	197	199	190

¹ Including the pure content of virgin alloys.² Including data for West Berlin.³ Including aluminum alloys.

Table 112

Thousand Metric Tons

Smelter Production of Lead ¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States ²	347	379	605	612	611	577	592	549	565	576
Australia ³	247	227	351	340	337	311	343	337	357	376
Canada	145	169	186	187	126	172	175	187	194	180
Japan	69	103	178	189	190	152	158	169	186	110
Spain	71	54	76	87	80	73	76	89	91	90
Sweden	45	40	41	47	45	38	49	52	58	50
European Community	365	397	437	457	478	417	451	472	451	417
Belgium ⁴	93	111	89	114	100	106	106	104	99	100
France	74	98	120	167	159	135	159	173	170	105
Italy	42	45	54	35	46	33	46	34	29	30
United Kingdom ⁵	16	23	44	30	29	26	17	35	30	32
West Germany ⁶	140	104	113	86	116	92	101	105	105	130
Other Countries										
Mexico	186	154	150	173	200	173	190	154	156	160
Peru	74	87	72	83	81	83	71	79	74	100
Communist Countries										
USSR and Eastern Europe	404	549	676	737	765	783	812	833	857	859
USSR	300	385	470	510	530	540	560	575	580	585
Eastern Europe	104	164	206	227	235	243	252	258	277	274
Bulgaria	40	93	99	105	107	110	110	112	125	125
Czechoslovakia	12	15	18	17	18	18	19	19	20	20
Poland ⁷	40	41	54	68	72	76	81	85	87	84
Romania ⁷	12	15	35	37	38	39	42	42	45	45
Other										
Yugoslavia	89	102	97	98	114	126	111	128	117	113

¹ Unless otherwise indicated, data are for smelter production of lead produced from domestic and imported ores and concentrates, excluding all metal produced from scrap (secondary metals).

² Excluding refined lead produced from imported base bullion.

³ Including lead bullion. Data are not comparable with those presented in the previous editions of the Handbook of Economic Statistics which excluded bullion.

⁴ Including secondary metal, remelted lead, and alloys.

⁵ Lead bullion from imported ores and concentrates.

⁶ Including data for West Berlin.

⁷ Probably including some secondary metal.

Table 113

Thousand Metric Tons

Refined Zinc Production ¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States ²	2,210	2,780	3,540	3,800	3,770	3,180	3,520	3,620	3,570	3,980
Australia	788	978	866	604	575	450	515	454	441	525
Canada	122	202	264	306	284	200	253	260	260	308
Finland	237	326	418	533	426	427	472	495	495	580
Japan	0	0	56	81	92	110	111	138	133	146
Spain	180	318	676	844	851	722	776	805	793	814
European Community	47	54	88	106	130	133	158	157	167	173
Belgium	783	842	1,090	1,230	1,320	1,050	1,150	1,200	1,170	1,300
France	248	238	232	278	289	218	236	248	237	260
Italy	146	192	224	259	277	181	233	238	241	247
Netherlands	85	81	142	182	196	180	191	169	177	205
United Kingdom	36	42	47	30	78	124	141	109	135	155
West Germany	76	107	147	84	84	53	42	81	74	77
Communist Countries	192	182	301	395	400	295	305	355	307	355
USSR and Eastern Europe	573	770	1,030	1,160	1,170	1,210	1,230	1,250	1,260	1,260
USSR ³	360	475	690	780	790	820	840	860	875	890
Eastern Europe	213	295	340	378	379	393	391	386	380	373
Bulgaria	17	66	76	82	83	86	86	90	90	92
East Germany	4	14	15	15	15	15	15	16	16	17
Poland	176	190	209	235	233	243	237	228	222	209
Romania	16	25	40	46	48	49	53	52	52	55
Other										
Yugoslavia	36	46	65	55	86	98	96	99	92	99

¹ Data are for electrolytic and distilled (including redistilled) zinc produced from domestic and imported ores and scrap and other secondary materials.

² Including production from secondary smelters.

³ Primary metal only.

Table 114

Titanium Sponge Metal Production ¹

Thousand Metric Tons

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States ²	4.8	8.2	13.9	11.5	18.5	14.4	9.2	12.5	15.9	20.0
Japan	2.3	4.8	9.2	6.5	8.9	7.6	6.3	6.4	9.2	13.5
Communist Countries										
USSR	4.0	13.5	25.0	32.0	34.0	36.0	37.0	40.0	42.0	44.0

¹ Raw titanium in the form of sponge metal produced from rutile or ilmenite concentrates.

² Approximate output based on reports from various trade publications.

Table 115

Cobalt Production ¹

Metric Tons

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
Australia	15	110	570	500	300	600	544	1,000	1,360	1,550
Canada ²	1,970	2,010	2,510	1,840	1,900	1,640	1,356	1,485	1,054	1,381
Finland	N.A.	1,810	1,540	1,540	1,540	1,700	1,279	1,227	1,296	1,200
Other Countries										
Morocco	1,540	2,230	734	1,730	1,980	2,380	934	1,015	1,134	900
Zaire	9,990	10,200	17,000	18,300	21,400	17,000	11,000	10,500	13,300	15,000
Zambia	2,240	1,880	2,920	5,220	2,890	2,900	2,175	1,704	1,566	3,100
Communist Countries										
USSR	1,600	2,300	3,700	4,500	4,800	5,000	5,200	5,400	5,600	5,800
Cuba	N.A.	714	1,208	1,190	1,223	1,240	1,220	1,220	1,150	N.A.

¹ Cobalt content of ores mined, unless otherwise indicated.

² Including metal, salts, and oxides recovered from smelter products and residues exported.

Table 116

Metric Tons

Smelter Production of Primary Tin Metal ¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States	13,700	3,150	4,540	4,600	6,100	6,500	5,700	6,700	3,900	5,500
Australia	2,290	3,230	5,210	6,900	6,710	5,250	5,600	5,600	5,100	5,000
Spain	470	1,820	3,910	3,800	5,860	5,250	5,400	5,300	4,100	5,000
European Community	42,500	40,900	33,400	25,100	16,900	17,800	18,200	20,100	18,300	16,000
Belgium	8,390	4,300	4,260	3,670	3,420	4,560	4,100	3,500	3,300	3,000
United Kingdom	26,800	16,800	22,000	20,400	12,100	11,520	9,800	10,500	8,400	8,000
Other Countries										
Bolivia ²	1,020	3,470	300	7,040	6,910	7,530	10,100	12,300	16,200	18,000
Brazil	N.A.	1,435	3,100	4,430	4,850	5,400	6,300	7,400	7,200	8,000
Indonesia	2,010	1,210	5,190	14,630	15,100	17,800	23,300	24,000	25,800	28,000
Malaysia ³	77,600	73,600	91,500	82,500	84,400	83,100	78,000	66,300	72,000	72,000
Nigeria	N.A.	9,480	8,070	5,980	5,570	4,680	3,700	3,300	3,000	3,000
Thailand	220	5,610	22,000	22,900	19,800	16,600	20,300	23,100	28,900	30,000
Communist Countries										
USSR	10,600	14,000	21,000	23,000	24,000	25,000	26,500	28,500	30,000	32,500
East Germany	1,000	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,300	1,500
China	29,000	12,000	10,000	15,000	15,000	18,000	11,000	13,000	15,000	N.A.

¹ Excluding tin derived from scrap or detinning.² Exports.³ Including data for Singapore.

Table 117

Thousand Metric Tons

Primary Magnesium Production

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
Canada	7	9	9	6	6	4	6	8	8	9
Japan	2	4	10	11	9	9	11	9	11	11
Norway	10	26	35	38	40	38	39	38	39	45
European Community										
France	2	3	5	7	7	8	8	9	9	9
Italy	5	6	8	9	7	6	9	9	10	8
Communist Countries										
USSR	25	50	80	92	95	98	98	100	100	103

Table 118

Million Troy Ounces

Gold Production

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States	1.67	1.71	1.74	1.18	1.13	1.05	1.05	1.10	1.00	0.91
Australia	1.09	0.88	0.62	0.55	0.51	0.53	0.50	0.62	0.65	0.65
Canada	4.63	3.60	2.41	1.95	1.70	1.65	1.69	1.73	1.74	1.58
Japan	0.26	0.26	0.26	0.19	0.14	0.14	0.14	0.15	0.15	0.15
Other Countries										
Colombia	0.43	0.32	0.20	0.22	0.27	0.31	0.30	0.26	0.26	0.29
Ghana	0.89	0.76	0.71	0.72	0.61	0.52	0.53	0.48	0.40	N.A.
India	0.16	0.13	0.10	0.11	0.10	0.91	0.10	0.10	0.09	0.09
Mexico	0.30	0.22	0.20	0.13	0.13	0.14	0.16	0.21	0.20	0.18
Nicaragua	0.21	0.20	0.12	0.09	0.08	0.07	0.08	0.07	0.07	0.60
Philippines	0.41	0.44	0.60	0.57	0.54	0.50	0.50	0.56	0.61	0.65
Rhodesia	0.56	0.54	0.50	0.50	0.60	0.60	0.60	0.60	0.64	0.70
South Africa	21.38	30.55	32.20	27.50	24.39	22.94	22.94	22.50	22.65	22.61
Zaire	0.31	0.09	0.18	0.13	0.13	0.10	0.09	0.08	0.08	0.08
Communist Countries										
USSR	3.63	5.33	7.00	8.03	8.42	8.29	8.87	9.19	9.54	9.87

Platinum-Group Metals Production

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
United States ¹	24	35	17	20	13	19	6	6	8	7
Canada	460	463	482	354	385	399	417	465	346	185
South Africa ²	406	754	1,500	2,360	2,830	2,600	2,700	2,870	2,860	3,200
USSR	1,000	2,000	2,500	3,000	3,200	3,300	3,400	3,400	3,500	3,600

¹ Crude placer platinum and byproduct metals recovered largely from domestic copper refining.

² Platinum-group metals from platinum ores and osmiridium from gold ores.

Table 120

Metric Tons

Molybdenum Production¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD	32,000	40,000	66,400	66,700	64,800	61,200	66,200	72,300	74,000	75,400
United States	31,000	35,100	50,500	52,600	50,800	48,100	51,400	55,500	59,800	65,300
Canada ²	348	4,340	15,300	13,800	13,900	13,000	14,600	16,600	14,100	10,000
Japan	381	277	264	156	107	140	220	180	130	140
Norway	246	239	340	100	0	0	0	0	0	0
Other Countries										
Chile	1,850	3,690	5,700	5,880	9,740	9,090	10,900	10,900	13,200	12,700
Peru	Negl.	680	607	633	650	651	450	463	729	816
Communist Countries										
USSR	4,800	7,300	9,500	10,000	10,300	10,500	10,700	11,000	11,300	11,600

¹ Molybdenum content of ores and concentrates.

² Shipments.

**Index and
Conversion Factors**

Transportation

Agriculture

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and Forestry**

**Chemicals and
Rubber**

Table 121

Caustic Soda Production ¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD	8,250	11,600	18,300	21,200	22,200	18,800	20,600	20,800	21,000	23,000
United States	4,510	6,207	9,200	9,694	10,341	8,410	9,202	9,504	9,696	11,236
Canada	338	583	860	1,029	1,030	845	1,000	1,014	1,036	1,060
Japan	869	1,344	2,685	3,231	3,162	2,948	2,905	2,870	2,776	3,021
European Community	1,970	2,630	4,390	5,870	6,200	5,190	6,080	6,140	6,170	6,350
France	597	671	1,094	1,392	1,427	1,120	1,274	1,320	1,344	1,392
Italy	429	691	999	1,179	1,138	1,002	1,134	1,110	988	986
West Germany	776	1,178	1,682	2,513	2,819	2,489	3,090	3,108	3,252	3,391
Communist Countries										
USSR and Eastern Europe	1,420	2,250	3,140	3,540	3,800	4,220	4,580	4,760	4,930	4,860
USSR	704	1,199	1,783	2,020	2,174	2,395	2,604	2,658	2,763	2,680
Eastern Europe	716	1,050	1,360	1,520	1,630	1,830	1,970	2,100	2,170	2,180
Bulgaria	17	32	46	73	69	84	87	96	102	107
Czechoslovakia	115	158	189	217	232	257	293	312	311	302
East Germany	327	364	413	427	436	442	441	423	415	415
Hungary ²	16	49	67	83	87	89	91	97	146	194
Poland	167	215	313	338	361	392	388	440	469	436
Romania	74	233	330	383	444	566	673	735	725	725
Other										
Cuba	N.A.	2	4	4	4	4	4	4	4	N.A.
Yugoslavia	48	88	93	93	100	97	90	96	86	102

¹ Pure caustic soda (100 percent NaOH), including tonnage not commercialized but used on site for processing.

² Including regenerated caustic soda.

Synthetic Ammonia Production ¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States ²	3,595	6,618	10,135	11,241	11,700	12,194	12,212	12,433	12,825	13,457
Canada ²	382 ³	453	1,007	1,246	1,270	1,336	1,388	2,145	1,927	2,486
Japan ³	1,059	1,779	3,220	3,973	3,966	3,620	2,621	2,843	2,368	N.A.
European Community	3,420	5,030	6,580	7,850	8,300	7,820	7,290	8,020	8,260	N.A.
France	724	1,281	1,619	1,923	2,114	1,941	1,781	2,034	2,016	2,150
Italy	724	1,035	1,272	1,394	1,374	1,452	1,195	1,378	1,704	1,721
Netherlands	410	661	1,340	1,910	2,066	1,908	1,951	2,166	2,093	N.A.
West Germany	1,242	1,659	1,821	2,064	2,170	1,981	1,862	1,989	1,955	2,161
Communist Countries										
USSR and Eastern Europe	2,180	5,000	10,400	13,100	14,700	16,200	16,900	17,800	19,000	20,200
USSR	1,138	3,137	6,282	8,367	9,062	9,868	10,090	10,744	11,462	12,750
Eastern Europe	1,040	1,860	4,090	4,780	5,660	6,340	6,850	7,100	7,530	7,460
Bulgaria	111	338	788	707	806	935	920	995	960	951
Czechoslovakia	153	254	432	544	776	710	725	791	812	768
East Germany	392	438	481	434	689	919	1,119	1,130	1,137	1,147
Hungary	67	173	414	501	499	513	703	729	746	767
Poland	285	440	1,187	1,565	1,666	1,707	1,726	1,665	1,616	1,513
Romania	29	218	792	1,031	1,222	1,559	1,660	1,793	2,259	2,315
Far East										
China ⁴	490	1,387	2,970	5,282	5,283	5,911	5,161	7,734	9,287	10,727
Other										
Yugoslavia	12	114	285	387	405	391	387	417	416	427

¹ Unless otherwise indicated, nitrogen content of synthetic ammonia.

² Synthetic anhydrous. To convert to actual production of synthetic ammonia, multiply by 1.2158.

³ Data are for 1961.

⁴ Includes only ammonia produced for fertilizer.

Table 123

Thousand Metric Tons

Sulfuric Acid Production ¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States ²	38,700	51,400	61,600	68,200	71,000	64,900	65,800	69,100	75,800	78,700
Japan	16,223	22,544	26,784	28,613	29,982	29,376	30,392	31,188	37,274	38,116
European Community	4,452	5,655	6,925	7,116	7,127	5,997	6,095	6,336	6,432	6,581
France	12,700	15,800	18,200	20,500	21,200	17,200	18,100	19,100	19,500	20,500
Italy	2,046	2,916	3,682	4,383	4,689	3,758	3,959	4,501	4,584	4,915
United Kingdom	2,299	2,979	3,327	3,036	3,219	3,006	2,896	2,952	2,952	2,977
West Germany ¹	2,745	3,358	3,352	3,886	3,855	3,166	3,271	3,408	3,456	3,498
West Germany ¹	3,170	3,751	4,435	5,069	5,130	4,157	4,668	4,680	4,680	5,040
Communist Countries										
USSR and Eastern Europe	7,890	12,800	18,100	22,600	25,000	27,300	28,500	29,600	31,100	31,000
USSR	5,398	8,518	12,059	14,855	16,633	18,645	20,015	21,104	22,411	22,400
Eastern Europe	2,500	4,230	6,090	7,720	8,350	8,620	8,440	8,530	8,660	8,620
Bulgaria	123	318	502	561	761	854	857	860	974	998
Czechoslovakia	553	933	1,110	1,209	1,211	1,245	1,240	1,276	1,195	1,253
East Germany	730	985	1,099	1,058	1,005	1,002	957	927	971	990
Hungary ⁴	178	393	484	670	683	659	653	678	690	630
Poland	685	1,062	1,901	2,914	3,333	3,413	3,179	3,268	3,172	2,982
Romania	226	541	994	1,311	1,358	1,448	1,555	1,523	1,655	1,765
Far East										
China	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	6,610	7,000
Other										
Yugoslavia	121	405	696	883	863	871	843	874	902	976

¹ Pure (monohydrate) sulfuric acid (100 percent H₂SO₄).³ Including data for West Berlin.² Including appreciable amounts produced in government-owned⁴ Including oleum.

privately operated plants.

Table 124

Thousand Metric Tons

Mineral Fertilizer Production, Nutrient Content ¹

	1960/61	1965/66	1970/71	1973/74	1974/75	1975/76	1976/77	1977/78	1978/79
OECD ²	22,300	33,900	43,300	50,200	50,400	46,300	49,600	51,700	55,700
United States	7,410	11,933	15,789	17,753	17,117	18,221	19,202	18,950	20,993
Canada	496	2,545	4,465	6,572	7,179	6,226	7,491	8,435	8,720
Japan	1,544	2,203	2,770	2,874	3,110	2,142	1,796	2,142	2,164
Spain	674	1,043	1,604	1,835	1,709	1,794	2,042	1,937	2,085
European Community	10,400	13,300	15,300	16,700	17,200	14,100	15,000	16,100	17,100
France	3,021	4,161	4,644	5,418	5,481	4,354	4,520	4,734	5,071
Italy	1,110	1,590	1,621	1,708	1,707	1,511	1,509	1,685	2,121
West Germany	3,897	4,610	4,743	4,974	5,144	3,756	4,240	4,473	4,508
Communist Countries	1960	1965	1970	1973	1974	1975	1976	1977	1978
USSR and Eastern Europe	6,510	12,000	20,800	26,200	29,000	32,900	34,200	35,500	36,400
USSR ³	3,281	7,389	13,099	17,429	19,352	21,988	22,590	23,493	23,653
Eastern Europe	3,230	4,640	7,710	8,810	9,620	10,900	11,600	12,000	12,700
Bulgaria	127	354	749	654	781	918	905	984	968
Czechoslovakia	287	484	680	770	800	1,012	1,100	1,178	1,140
East Germany	2,166	2,506	3,244	3,370	3,710	3,985	4,369	4,470	4,628
Hungary	102	265	517	594	583	690	767	788	855
Poland	477	738	1,629	2,179	2,339	2,581	2,593	2,610	2,621
Romania	71	293	895	1,242	1,410	1,729	1,869	1,981	2,461
Far East									2,522
China	498	1,502	2,780	4,925	4,945	5,720	4,830	7,238	8,691
Other									10,654
Yugoslavia	45	226	364	435	413	410	373	411	410
Other									430

¹ Nitrogen fertilizer (in terms of nitrogen), phosphorus fertilizer (in terms of phosphoric anhydride), and potassium fertilizer (in terms of potassium oxide).

² Data are for "fertilizer years"—in general, the year beginning 1 July.

³ Including some products used for technical purposes.

Table 125

Thousand Metric Tons of N

Nitrogen Fertilizer Production, Nutrient Content

	1960/61	1965/66	1970/71	1973/74	1974/75	1975/76	1976/77	1977/78	1978/79
OECD ¹									
United States	2,739	5,081	8,161	9,158	8,474	9,591	9,788	9,495	10,155
Canada	286	377	726	803	895	775	1,204	1,578	1,674
Japan	1,030	1,615	2,105	2,138	2,341	1,557	1,171	1,446	1,457
Spain	110	323	592	763	722	825	883	906	929
European Community	3,650	4,980	6,240	7,020	7,530	6,620	6,960	7,360	8,120
Belgium	278	310	594	654 ²	641 ²	610 ²	645 ²	651 ²	753 ²
France	671	1,066	1,351	1,642	1,694	1,361	1,462	1,470	1,781
Italy	658	905	956	1,129	1,131	1,000	985	1,042	1,442
Netherlands	417	562	930	1,212	1,334	1,155	1,297	1,453	1,540
United Kingdom	449	666	748	755	977	1,055	1,071	1,199	1,147
West Germany	1,180	1,419	1,505	1,473	1,574	1,259	1,290	1,305	1,273
Other Countries ¹									
India	110	232	846	1,050	1,187	1,509	1,862	2,000	2,169
Communist Countries									
USSR and Eastern Europe	1,910	4,250	8,740	11,100	12,100	13,500	14,000	14,700	15,000
USSR ¹	1,003	2,712	5,423	7,241	7,856	8,535	8,609	9,114	9,299
Eastern Europe	906	1,540	3,320	3,900	4,240	4,950	5,380	5,560	5,860
Bulgaria	86	260	602	519	593	672	663	705	677
Czechoslovakia	140	220	296	351	385	496	568	605	591
East Germany	334	348	395	411	436	538	776	838	892
Hungary	57	148	350	404	393	421	492	514	549
Poland	270	394	1,030	1,365	1,457	1,533	1,548	1,521	1,470
Romania	19	166	647	854	980	1,292	1,331	1,381	1,766
Far East									
China	404	1,240	2,443	4,328	4,345	5,026	4,244	6,360	8,821
Other									
Yugoslavia	4	90	238	276	278	278	277	311	306
									314

¹ Data are for "fertilizer years"—in general, the year beginning 1 July. Including some technical nitrogen and anhydrous ammonia exported for further processing.

² Including Luxembourg.

³ Including some nitrogen for technical purposes.

Table 126

Thousand Metric Tons of P₂O₅

Phosphate Fertilizer Production, Nutrient Content

	1960/61	1965/66	1970/71	1973/74	1974/75	1975/76	1976/77	1977/78	1978/79
OECD ¹	7,960	11,300	13,700	15,800	15,500	13,900	15,200	15,800	17,200
United States	2,626	4,260	5,369	6,232	6,568	6,531	7,070	7,480	8,552
Australia	569	940	695	1,169	728	481	722	755	847
Canada	210	419	560	696	661	610	632	651	660
Japan	515	588	665	736	769	585	625	696	707
Spain	299	317	487	615	606	456	592	479	493
European Community	3,100	3,940	4,800	4,890	4,760	3,720	4,080	4,300	4,330
Belgium	289	415	745	769 ⁴	757 ⁴	625 ⁴	589 ⁴	623 ⁴	650 ⁴
France ^{2 3}	770	1,218	1,451	1,693	1,709	1,259	1,490	1,560	1,459
Italy	399	512	510	442	410	370	383	510	544
West Germany	750	857	946	962	911	649	733	722	696
Other Countries									
Brazil	45	61	162	320	371	594	926	1,122	1,186
Communist Countries									
USSR and Eastern Europe	1,850	3,470	5,500	6,500	7,270	8,120	8,310	8,770	9,170
USSR ²	1,192	2,300	3,585	4,261	4,902	5,511	5,664	6,024	6,153
Eastern Europe	658	1,170	1,910	2,240	2,370	2,610	2,650	2,750	2,860
Bulgaria	41	94	148	135	188	246	242	279	282
Czechoslovakia ²	147	258	322	336	356	398	376	389	358
East Germany ²	166	232	430	403	410	427	423	403	413
Hungary	45	117	167	190	190	206	188	165	185
Poland	207	344	599	814	823	929	928	966	1,026
Romania	52	127	244	361	404	404	493	548	660
Far East									676
China ²	94	262	330	585	588	680	574	860	1,817
Other									
Yugoslavia	41	136	126	19	135	132	96	100	97
Other									116

¹ Data are for "fertilizer years"—in general, the year beginning 1 July.³ Beginning 1 May of the stated year.⁴ Including Luxembourg.² Including production of ground phosphate rock for direct application and phosphate animal feeds.

Table 127

Potassium Fertilizer Production, Nutrient Content

	1960/61	1965/66	1970/71	1973/74	1974/75	1975/76	1976/77	1977/78	1978/79
OECD ¹									
United States	5,920	9,130	10,300	12,700	12,900	11,200	12,500	13,100	14,000
Canada	2,045	2,592	2,259	2,363	2,075	2,099	2,344	1,975	2,286
Spain	0	1,749	3,179	5,073	5,623	4,842	5,655	6,206	6,387
European Community	265	404	525	457	381	512	566	552	663
France ²	3,600	4,390	4,290	4,760	4,920	3,760	3,970	4,400	4,680
West Germany	1,581	1,877	1,842	2,082	2,078	1,734	1,567	1,704	1,831
Other Countries	1,967	2,335	2,293	2,539	2,659	1,848	2,217	2,445	2,540
Israel	92	310	576	515	654	712	645	683	653
Communist Countries									
USSR and Eastern Europe	1960	1965	1970	1973	1974	1975	1976	1977	1978
USSR ⁴	2,750	4,300	6,570	8,580	9,640	11,300	11,900	12,000	12,000
Eastern Europe	1,084	2,368	4,087	5,918	6,586	7,944	8,310	8,347	8,197
Czechoslovakia ⁵	1,670	1,930	2,490	2,670	3,050	3,400	3,600	3,700	3,850
East Germany	0	6	62	83	105	168	184	184	191
Hungary ⁵	1,666	1,926	2,420	2,556	2,864	3,019	3,161	3,229	3,323
Poland ⁵	0	0	0	0	0	63	87	109	136
Romania ⁵	0	0	0	0	59	119	120	123	124
Far East	0	0	4	27	26	33	45	52	78
China	0	0	7	12	12	14	12	18	21
China	0	0	7	12	12	14	12	18	21

¹ Data are for "fertilizer years"—in general, the year beginning 1 July.² Including unidentified double counting of some products used for technical purposes (estimated at 4 percent to 5 percent of the total).³ Beginning 1 May of the stated year.⁴ Excluding technical potash.⁵ Including some potassium for technical purposes.⁶ Imported potash added to domestically produced nitrogen and phosphate to form multinutrient fertilizer.

Plastics Production

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States ¹	2,850	5,300	9,660	13,706	13,764	10,206	13,261	11,232	12,380	13,866
Japan	556	1,609	5,128	6,392	6,722	4,373	4,952	4,978	5,882	6,964
European Community	2,400	5,070	10,200	16,100	16,400	13,400	16,700	17,700	18,400	19,000
West Germany	982	1,999	4,321	6,434	6,271	5,046	6,444	6,270	6,755	7,079
Communist Countries										
USSR and Eastern Europe	560	1,370	2,860	4,040	4,340	4,920	5,530	6,100	6,500	6,570
USSR ²	312	803	1,670	2,320	2,493	2,838	3,058	3,309	3,516	3,477
Eastern Europe	248	571	1,190	1,720	1,850	2,080	2,470	2,790	2,980	3,090
Bulgaria	7	33	89	144	146	156	157	169	178	200
Czechoslovakia	64	126	245	336	390	428	581	738	810	853
East Germany	115	219	370	489	518	605	679	734	762	790
Hungary	10	27	56	111	115	124	141	148	213	294
Poland	40	91	224	334	395	421	446	463	467	441
Romania	12	75	206	302	283	347	465	543	552	516
Other										
Yugoslavia	15	57	97	126	167	160	205	237	293	342

¹ Dry basis, excluding water, solvents, and other liquid diluents.² Including resins for manmade fibers.

Table 129

Thousand Metric Tons

Natural Rubber Production

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
India	25.2	49.4	89.9	123.2	128.4	136.0	147.8	151.6	133.0	144.8
Indonesia ¹	620.3	716.5	815.2	885.8	855.0	822.5	847.5	835.0	902.5	886.4
Malaysia ²	755.7	917.0	1,269.2	1,542.3	1,524.7	1,459.3	1,612.4	1,613.2	1,606.5	1,549.5
Sri Lanka	98.8	118.3	159.2	154.7	132.0	148.8	152.1	146.2	155.7	154.1
Thailand ¹	170.8	216.4	318.8	390.0	379.5	355.0	411.9	430.9	467.0	520.0

¹ Exports plus estimated consumption.² Including data for Malaya and Singapore, Sarawak, and Sabah.

Table 130

Synthetic Rubber Production

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD	1,910	2,960	4,580	5,760	5,360	4,530	5,510	5,810	5,760	N.A.
United States	1,459	1,842	2,232	2,607	2,396	1,990	2,425	2,521	2,605	2,538
Canada	162	206	205	230	209	173	210	238	248	281
Japan	23	161	698	968	858	789	941	971	1,030	1,110
European Community	269	727	1,340	1,770	1,720	1,410	1,740	1,830	1,800	1,880
France	17	148	316	458	463	350	437	479	492	538
Italy	67	120	155	230	240	200	250	240	250	270
Netherlands	12	100	200	263	245	216	247	240	223	244
United Kingdom	92	175	316	364	336	261	320	329	294	282
West Germany	81	164	302	393	372	316	373	414	407	410
Other Countries										
Brazil	0	39	75	126	155	129	164	188	206	221
Communist Countries										
USSR and Eastern Europe	454	789	1,210	1,540	1,690	1,880	2,000	2,190	2,300	2,390
USSR ¹	347	604	914	1,155	1,290	1,450	1,570	1,700	1,795	1,867
Eastern Europe	107	185	295	384	401	427	435	486	503	519
Bulgaria	0	0	4	18	18	19	21	25	25	30
Czechoslovakia	0	20	50	55	51	57	57	59	59	60
East Germany ²	87	95	118	134	139	144	145	147	145	150
Poland	20	39	62	94	101	108	117	119	126	130
Romania	0	31	61	83	92	99	95	136	148	149

¹ Estimated.² Including Pervinan and Plastikator.

Thousand Metric Tons

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Table 131

Woven Cotton Fabrics Production ¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States (Million lm)	8,564	8,447	5,711	4,651	4,310	3,744	4,091	3,983	3,664	3,595
Japan (Million sm)	3,221	3,013	2,616	2,380	2,163	2,124	2,237	2,266	2,315	2,339
Spain (Thousand mt)	93	101	112	130	132	124	124	127	125	N.A.
Turkey ² (Million lm)	384	781	815	811	778	785	759	662	773	800
European Community										
France (Thousand mt)	384	210	197	208	205	174	190	192	168	169
Italy (Thousand mt)	139	103	129	128	140	126	113	138	137	153
United Kingdom ² (Million lm)	1,183	928	628	453	410	405	374	370	379	357
West Germany (Thousand mt)	249	206	182	188	182	166	199	169	160	161
Other Countries										
Hong Kong ² (Million sm)	387	543	645	597	558	682	822	677	653	718
India (Million lm)	6,629	7,643	7,849	7,770	8,285	8,033	7,945	6,900	7,214	7,400
Pakistan ² ³ (Million lm)	575	654	663	644	648	608	569	408	391	341
Communist Countries										
USSR and Eastern Europe										
USSR ⁴ (Million sm)	4,838	5,499	6,152	6,578	6,624	6,634	6,779	6,811	6,967	6,974
Eastern Europe										
Bulgaria ⁴ (Million lm)	218	291	319	333	347	372	359	371	353	347
Czechoslovakia ⁴ ⁵ (Million lm)	464	500	501	553	550	555	530	533	544	551
East Germany (Million sm)	254	244	248	243	248	246	274	272	269	270
Hungary ⁴ (Million sm)	247	323	304	346	355	352	353	366	365	349
Poland ⁴ (Million lm)	665	811	881	868	885	928	948	951	919	885
Romania ⁴ (Million sm)	248	319	437	571	612	591	677	703	717	720
Far East										
China (Million lm)	N.A.	5,727	8,500	N.A.	N.A.	9,565	8,888	10,151	11,029	12,150
Other										
Yugoslavia ⁶ (Million sm)	257	394	390	361	365	376	385	384	410	418

¹ Unless otherwise indicated, data are for fabrics, in the piece, before undergoing finishing processes such as bleaching, dyeing, and making up. Abbreviations for units of measure are as follows:

linear meters, lm; square meters, sm; and metric tons, mt.

² Excluding mixed fabrics.

³ Mill production only. Data include finished fabrics.

⁴ Fabrics after undergoing finishing processes.

⁵ Including nonwoven fabrics.

⁶ Including cellulosic fabrics.

Woven Woollen Fabrics Production ¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States (Million lm)	262	244	163	97	73	71	87	93	107	109
Australia ² (Million sm)	25	30	27	18 ³	12 ³	14 ³	14 ³	6 ³	6 ³	8 ³
Canada ⁴ ⁵ (Million sm)	25	30	28	31	29	29	28	N.A.	N.A.	N.A.
Japan ⁶ (Million sm)	316	341	426	470	357	357	374	347	336	326
Spain (Thousand mt)	17	22	34	38	37	28	28	27	26	N.A.
Turkey ⁷ (Million lm)	10	24	25	35	40	35	40	23	32	36
European Community										
Belgium (Thousand mt)	29	38	39	37	30	30	34	27	28	29
France (Thousand mt)	72	60	64	72	68	63	62	69	74	77
Italy (Thousand mt)	47	35 ⁷	134	166	159	N.A.	189	N.A.	N.A.	N.A.
Netherlands ⁴ (Million sm)	68	67	27	24	21	19	17	13	N.A.	N.A.
United Kingdom ⁴ ⁵ (Million sm)	307	270	215	192	175	151	143	150	144	141
West Germany ⁴ (Thousand mt)	51	55	48	49	39	38	40	37	36	36
Communist Countries										
USSR ⁴ (Million sm)	439	466	643	703	724	740	764	773	781	774
Eastern Europe										
Bulgaria ⁴ (Million lm)	19	20	27	30	33	39	36	36	35	36
Czechoslovakia ⁴ ⁵ (Million lm)	46	44	49	56	63	68	65	64	62	59
East Germany (Million sm)	49	39	37	37	37	37	39	39	38	39
Hungary ⁴ (Million sm)	32	36	39	38	40	39	41	43	43	41
Poland ⁴ (Million lm)	79	91	99	107	117	124	125	124	124	123
Romania ⁴ (Million sm)	32	41	63	83	94	96	105	119	123	124
Other										
Yugoslavia (Million sm)	46	55	57	60	66	66	67	79	73	75

¹ Unless otherwise indicated, data are for woven woollen and worsted fabrics (in the piece, before undergoing finishing processes such as bleaching, dyeing, and making up) and for mixed woollen fabrics. Abbreviations for units of measure are as follows: linear meters, lm; square meters, sm; and metric tons, mt.

² Twelve months ending 30 June of the stated year.

³ Excluding worsted fabrics.

⁴ Fabrics after undergoing finishing processes.

⁵ Factory shipments.

⁶ Including finished fabrics.

⁷ Excluding mixed fabrics.

⁸ Including nonwoven fabric.

Table 133

Woven Rayon and Acetate Fabrics Production ¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States (Million lm)	1,312	1,792	1,374	1,208	901	610	507	600	673	670
Australia ² (Million sm)	15	27	29	25	23	16	16	17	15	18
Japan ¹ (Million sm)	1,828	1,653	1,545	1,299	988	838	926	888	852	900
European Community										
Belgium (Thousand mt)	10	17	26	34	33	28	31	32	33	32
France ⁴ (Thousand mt)	30	32	42	51	53	47	50	48	48	51
United Kingdom ⁴ (Million lm)	564	572	444	490	490	491	493	498	458	469
West Germany (Thousand mt)	N.A.	116	97	85	84	67	72	66	66	65
Other Countries										
India ⁴ (Million lm)	550	870	935	887	848	846	1,024	1,166	N.A.	N.A.
Communist Countries										
USSR and Eastern Europe										
USSR (Million sm)	628	769	1,112	1,305	1,371	1,463	1,550	N.A.	N.A.	N.A.
Eastern Europe										
Bulgaria ⁴ ⁵ ⁶ (Million lm)	11	15	21	26	26	31	32	29	32	31
Czechoslovakia (Million lm)	N.A.	59	65	65	61	62	59	60	63	59
East Germany (Million sm)	68	77	117	122	122	121	118	124	131	132
Hungary ³ (Million sm)	28	36	57	53	52	55	57	57	62	57
Poland ⁶ (Million lm)	112	126	156	187	187	180	190	177	168	163
Romania ³ ⁶ (Million sm)	25	32	48	74	78	89	106	120	126	126
Other										
Yugoslavia ⁴ (Million sm)	19	24	29	36	35	39	36	42	41	39

¹ Unless otherwise indicated, data are for pure and mixed fabrics, in the piece, before undergoing finishing processes such as bleaching, dyeing, and making up. Abbreviations for units of measure are as follows: linear meters, lm; square meters, sm; and metric tons, mt.

² Twelve months ending 30 June of the stated year.

³ Including finished fabrics.

⁴ Including fabrics of noncellulosic fibers.

⁵ Including fabrics of natural silk.

⁶ Fabrics after undergoing finishing processes.

Table 134

Thousand Metric Tons

Synthetic Fibers Production ¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States	307.2	806.0	1,626.7	2,861.9	2,817.6	2,664.4	2,996.3	3,316.8	3,523.0	3,818.6
Canada	17.0	37.5	73.4	93.6	92.0	95.8	98.3	114.7	118.4	122.0
Japan	118.3	379.6	1,027.9	1,308.4	1,174.4	1,061.2	1,245.5	1,320.0	1,418.4	1,410.0
Spain	3.1	14.8	63.5	131.2	128.9	120.2	146.2	159.6	189.6	189.6
European Community	204	586	1,370	2,090	1,920	1,660	2,030	1,870	1,980	1,960
France	45.3	92.8	175.2	266.3	237.7	204.7	250.6	249.6	258.0	235.2
Italy	33.7	109.8	241.7	382.3	349.1	321.9	427.5	381.6	405.6	406.8
United Kingdom ²	61.0	148.0	336.9	453.9	396.1	361.1	414.5	358.8	406.8	381.6
West Germany	52.3	179.3	497.0	810.4	766.9	633.0	771.2	712.8	746.4	774.0
Communist Countries										
USSR and Eastern Europe	35.5	136	361	616	729	819	912	1,000	1,080	1,090
USSR	15.0	77.0	167.0	287.0	318.0	365.0	408.0	459.0	497.0	500.0
Eastern Europe	20.5	58.7	194	329	411	454	504	543	579	587
Bulgaria	0	0	23.1	38.1	40.8	41.7	41.9	44.0	45.5	48.0
Czechoslovakia	3.4	9.8	31.4	52.9	60.2	69.4	75.1	80.1	92.9	97.1
East Germany	7.8	19.0	47.3	92.9	103.9	111.8	117.6	124.0	131.1	131.9
Hungary	0.4	2.3	5.6	9.6	11.5	11.3	11.8	16.9	19.3	18.7
Poland	8.0	24.3	57.5	82.8	98.7	124.2	143.3	153.4	158.6	160.8
Romania	0.9	3.3	29.5	52.4	95.5	95.6	113.9	124.5	131.3	130.5
Other										
Yugoslavia	N.A.	1.1	8.7	16.6	17.7	18.5	20.8	25.7	35.8	36.0

¹ Data are for noncellulosic fibers whether made of natural polymers, which are based on materials such as casein or groundnuts, or made of synthetic polymers, which are based mostly on coal or petroleum. Data exclude waste, glass fibers, and rubber fibers.

² "Delivery weight," approximately 3 percent less than "actual weight," prior to mid-1967. Thereafter, approximately one-half of production is reported as "actual weight."

Housing Construction ¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
United States	145.4	159.5	152.3	240.4	196.9	161.9	177.2	213.9	234.3	234.4
USSR	109.6	97.6	106.0	110.5	110.1	109.9	106.2	107.8	106.8	102.5

¹ Total housing space, which includes living rooms, bedrooms, dining area, and auxiliary space such as bathrooms, kitchens, closets, and inside hallways.

Table 136

Computers and Peripheral Equipment Production

	1970	1973	1974	1975	1976	1977	1978	1979
OECD								
United States ¹ (million US \$)	3,678	7,420	9,122	8,590	10,398	12,462	14,597	17,516
United Kingdom ² (million US \$)	501	865	965	1,081	1,068	1,177	1,569	2,241
West Germany (million US \$)	736	1,396	1,590	1,403	1,577	2,201	2,711	3,233
Communist Countries								
USSR ³ (million rubles)	710	1,643	2,221	1,921	2,266	2,807	3,400	3,900
East Germany ⁴ (million marks)	1,100	1,783	2,026	2,033	2,173	2,327	2,423	N.A.
Hungary ⁵ (million forints)	116	1,000	1,912	2,852	3,677	4,177	4,558	5,196
Poland ⁶ (million zlotys)	N.A.	663	891	1,430	1,577	1,720	1,625	2,055

¹ Shipments.

² Sales.

³ Including business machines. Starting in 1975, the Soviets

changed their prices; therefore, data for 1975-78 are not comparable with data for earlier years.

⁴ Including business machines. Values are based on current prices.

⁵ Based on current prices.

⁶ Based on comparable prices.

Table 137

Thousand Kilowatts

Electric Generator Production ¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
United States ²	12,899	15,451	27,565	34,820	38,269	30,496	35,349	30,222	27,865	29,757
Communist Countries										
USSR	7,900	14,390	10,578	16,500	16,000	17,100	16,600	17,900	18,200	17,000
Bulgaria	29	13	37	232	27	32	96	67	65	N.A.
Czechoslovakia ³	1,391	888	1,488	1,989	1,543	1,474	1,775	1,863	1,745	N.A.
Hungary ^{3 4}	347	416	590	865	984	861	801	81	29	N.A.
Romania	83	295	747	913	976	1,479	2,234	1,515	1,069	N.A.
China	N.A.	800	2,300	N.A.	N.A.	N.A.	N.A.	3,181	4,838	6,212

¹ Turbogenerators and hydrogenerators. Production of diesel generators is believed to be negligible in most instances.

² Shipments of units of 4,000 kilowatts and larger.

³ Generators for steam and gas turbines only.

⁴ Thousand kilovolt amperes.

Table 138

Thousand Kilowatts

Turbine Production ¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
United States ²	12,899	15,451	27,565	34,820	38,269	30,496	35,349	30,222	27,865	29,757
Communist Countries										
USSR ³	9,200	14,625	16,191	15,143	17,271	18,886	19,594	18,900	19,500	20,000
Czechoslovakia	1,555	1,994	2,239	1,501	1,379	1,720	1,616	1,745	1,865	N.A.
Poland ⁴	186	471	1,135	1,408	1,701	1,820	1,831	1,532	1,579	1,872
Romania ⁵	98	27	121	415	708	712	678	734	603	N.A.

¹ Unless otherwise indicated, data are for steam and hydraulic turbines. Most production of turbines is for use in matched sets with generators for production of electricity. In addition, turbines are produced in single units for many purposes, including direct industrial drives, marine propulsion, and pipeline transmission.

² Shipments of units of 4,000 kilowatts and larger. Data are available only for turbines produced in integral units together with

generators. Therefore, data for turbines and generators for the United States are assumed to be the same. Some turbines are produced in single units, but no data are available on this production.

³ Including a small number of gas turbines.

⁴ Steam turbines only.

⁵ Steam turbines of more than 500 kilowatts only.

Table 139

Metalcutting Machine Tool Production ¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
United States ²										
Million US\$	539.30	1,047.80	1,097.70	1,224.70	1,525.60	1,790.40	1,592.20	1,789.40	2,139.00	2,900.00
Thousand units	42.91	68.01	49.31	57.88	69.00	64.32	54.10	59.40	58.12	65.20
Communist Countries										
USSR and Eastern Europe										
USSR										
Million US\$ ¹	611.74	931.48	1,427.88	1,843.98	2,025.02	2,179.78	2,340.38	2,556.49	2,805.78	2,959.87
Thousand units	155.92	186.13	202.16	213.79	225.59	231.35	232.79	237.56	237.88	229.50
Eastern Europe										
Bulgaria (thousand units)	3.15	8.06	13.94	15.66	15.47	16.28	14.44	13.74	15.32	15.00
Czechoslovakia (thousand units)	30.23	24.33	35.19	31.65	30.19	29.66	31.73	37.61	34.25	36.00
East Germany (thousand units)	41.90	24.77	22.22	19.16	19.11	19.72	19.42	18.76	19.33	20.00
Hungary (thousand units)	9.78	13.85	14.48	9.20	12.67	12.83	14.01	15.27	12.69	14.00
Poland (thousand units)	22.47	31.13	29.73	34.70	33.81	33.19	24.23	23.18	30.00	30.87
Romania (thousand units)	4.44	7.16	14.14	20.55	24.83	28.27	29.95	30.07	27.55	29.00

¹ Power-driven metalcutting machines that are not portable by hand and are used to remove metal in the form of chips; these machines include lathes and planers and milling, honing, lapping, grinding, electroerosion, and ultrasonic cutting machines.

² Average value of \$1,000 and over for 1960-77 and beginning in 1978, \$2,500 and over.

³ Converted at the exchange rate of 1 ruble=\$1.46.

Table 140

Metallforming Machine Tool Production ¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
United States										
Million US\$	238.4	409.9	454.1	563.1	640.4	615.7	586.0	651.3	784.7	990.3
Thousand units ²	19.3	25.3	24.2	30.7	37.0	26.8	26.7	32.5	29.5	30.5
USSR										
Million US\$ ³	188.3	235.1	359.2	480.3	541.7	581.1	664.3	706.6	776.7	828.6
Thousand units	29.9	34.6	41.3	46.5	48.9	50.5	51.9	54.3	55.4	56.5

¹ Power-driven metallforming machine tools that are not supported in the hands of an operator when in use and are designed to press, forge, emboss, hammer, extrude, blank, spin, shear, and bend metal into shape.

² Average value of \$1,000 and over for 1960-77 and beginning in 1978, \$2,500 and over.

³ Converted at the exchange rate of 1 ruble = \$1.46.

Table 141

Grain Combine Production ¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
United States ²	30,165	37,606	21,017	25,241	28,644	31,259	31,712	31,943	31,843	N.A.
Communist Countries										
USSR and Eastern Europe	67,000	94,200	103,000	91,500	98,100	108,000	112,000	116,000	124,000	N.A.
USSR	59,000	85,800	99,200	84,800	88,400	97,500	101,700	105,500	113,000	115,000
Eastern Europe	8,040	8,380	4,230	6,700	9,720	10,800	10,600	10,700	11,200	N.A.
East Germany	1,972	1,585	900	1,400	1,500	1,500	1,400	1,400	3,000	N.A.
Poland	564	1,781	2,155	2,402	2,909	3,591	4,008	4,002	4,300	4,300
Romania	5,500	5,012	1,179	2,903	5,315	5,659	5,198	5,365	3,887	3,200

¹ Tractor-drawn and self-propelled.

² Shipments.

Table 142

Tractor Production ¹

Thousand Units

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States	178.5	271.8	191.7	236.9	233.8	232.0	213.2	226.3	197.3	222.4
European Community										
France	63.4	90.0	68.8	51.2	56.6	55.8	64.5	60.4	48.1	46.5
Italy	37.6	62.7	84.8	86.3	104.5	116.4	128.2	140.5	116.4	115.8
United Kingdom ²	181.0	178.5	160.7	119.3	119.6	141.7	161.5	147.2	135.0	125.0
West Germany ³	120.7	105.0	105.4	99.9	116.1	114.1	125.2	128.9	112.0	115.0
Communist Countries										
USSR and Eastern Europe	308	443	574	628	680	743	758	759	773	744
USSR	238.5	354.5	458.5	499.6	531.1	550.4	562.2	569.1	576.1	557.0
Eastern Europe	69.0	88.2	115	128	149	192	196	190	197	187
Bulgaria	0	3.8	4.4	4.0	4.2	5.1	5.9	6.3	7.7	6.4
Czechoslovakia	32.5	32.1	24.3	30.6	40.8	75.0	73.1	61.0	60.0	60.0
East Germany	9.1	12.9	16.4	3.9	4.0	4.0	4.0	3.9	3.4	3.5
Hungary	2.6	3.0	1.9	1.1	0.7	0.6	0.6	0.7	0.4	0.1
Poland	7.7	20.6	38.7	49.6	55.0	57.6	58.8	59.1	59.5	54.2
Romania	17.1	15.8	29.3	38.8	44.6	50.0	53.9	59.3	65.7	62.5
Other										
Yugoslavia	7.3	7.4	12.0	20.7	27.7	33.2	42.2	41.8	50.1	49.9

¹ Excluding garden-type tractors.² Shipments.³ Excluding tracklaying tractors.

Passenger Automobile Production

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States ¹	6,675	9,306	6,547	9,658	7,331	6,713	8,498	9,199	9,165	8,419
Canada	326	707	923	1,228	1,166	1,045	1,137	1,163	1,143	988
Japan	165	696	3,179	4,471	3,932	4,568	5,028	5,424	5,976	6,180
European Community	4,920	7,130	9,410	10,500	9,120	8,530	9,810	10,200	10,300	10,300
France	1,136	1,374	2,458	3,202	3,045	2,951	3,388	3,564	3,624	3,732
Italy ²	596	1,104	1,720	1,825	1,631	1,348	1,471	1,452	1,512	1,454
United Kingdom	1,353	1,722	1,641	1,747	1,534	1,268	1,333	1,320	1,224	1,068
West Germany	1,817	2,734	3,528	3,643	2,840	2,905	3,548	3,792	3,900	3,936
Other Countries										
Brazil	57	114	255	492	562	551	527	463	538	530
Communist Countries										
USSR and Eastern Europe	272	411	710	1,410	1,660	1,780	1,880	1,980	2,080	N.A.
USSR	139	201	344	917	1,119	1,201	1,239	1,280	1,312	1,314
Eastern Europe	133	210	366	495	539	581	645	697	769	N.A.
Bulgaria	0	0	8	11	14	15	15	15	15	15
Czechoslovakia	56	78	143	164	169	175	179	159	176	182
East Germany	64	103	127	147	155	159	164	167	171	N.A.
Poland ³	12	25	64	113	133	164	216	279	326	350
Romania ⁴	1	4	24	60	68	68	71	77	81	75
Other										
Yugoslavia ⁵	4	36	111	125	171	183	195	234	254	279

¹ Factory sales.² Excluding production for the armed forces.³ Excluding special passenger cars.⁴ Including jeeps.⁵ Including vehicles assembled from imported parts.

Table 144

Thousand Units

Truck and Bus Production ¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD ²										
United States ³	1,194	1,752	1,692	2,980	2,727	2,272	2,979	3,442	3,706	3,037
Canada	72	145	236	347	359	379	503	613	611	676
Japan	595	1,222	2,126	2,617	2,624	2,380	2,819	3,072	3,264	3,468
Spain	17	74	77	104	115	101	95	134	150	170
European Community	982	1,020	1,210	1,260	1,240	1,130	1,290	1,320	1,300	1,340
France	234	242	292	394	418	346	454	456	456	456
Italy ⁴	49	72	134	135	142	110	119	144	146	139
United Kingdom	458	455	458	417	403	381	372	396	384	408
West Germany	238	243	318	306	265	286	329	312	300	324
Other Countries										
Brazil	76	72	161	251	337	370	449	442	526	554
Communist Countries										
USSR and Eastern Europe	568	505	728	879	928	980	1,000	1,020	1,050	1,070
USSR	501	415	572	685	727	763	786	808	839	859
Eastern Europe	67	90	156	194	201	217	219	215	213	210
Bulgaria	0	0	3	5	5	6	7	7	7	8
Czechoslovakia ⁵	18	18	27	30	32	36	40	39	40	43
East Germany	13	16	27	33	37	38	38	37 ⁶	37 ⁶	37 ⁶
Hungary ³	4	6	9	10	11	13	13	13	14	14
Poland	23	34	53	77	80	85	83	80	77	70
Romania	9	16	37	39	36	39	38	39	38	38
Far East										
China ⁷	15	30	70	110	121	133	125	125	149	186
North Korea	3	4	8	15	17	19	21	22	23	24
Other										
Yugoslavia	6	12	17	17	15	19	22	21	20	23

¹ Unless otherwise indicated, data are for light and heavy trucks, wheeled tractors for road haulage, special vehicles, and buses.² Data include complete units exported for assembly.³ Factory sales.⁴ Excluding production for the armed forces.⁵ Excluding wheeled tractors.⁶ Excluding buses.⁷ Excluding buses, jeeps, and three-wheel trucks.

Railroad Freight Car Production ¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States ²	57.31	77.83	66.18	58.25	67.04	72.39	52.55	51.73	67.44	90.02
European Community										
France ²	7.93	15.04	14.23	13.92	9.85	9.62	6.92	6.37	3.75	6.06
West Germany	6.63	11.31	9.60	8.07	7.51	6.96	6.82	6.81	5.89	6.01
Other Countries										
India	11.90	33.50	11.98	11.90	11.08	12.24	11.28	12.67	11.01	11.29
Communist Countries										
USSR and Eastern Europe	64.7	72.9	97.5	112	116	117	119	118	115	N.A.
USSR	36.40	39.60	58.30	71.80	72.40	69.90	71.90	71.20	68.30	64.60
Eastern Europe	28.3	33.3	39.2	40.4	43.8	47.4	46.7	47.3	46.2	N.A.
Bulgaria	2.01	1.58	1.99	1.97	1.99	2.51	2.55	2.75	2.56	N.A.
Czechoslovakia	5.15	4.30	4.35	5.37	5.13	5.03	5.09	5.53	6.20	N.A.
East Germany	2.14	2.17	5.71	4.66	4.85	5.05	5.43	5.59	5.80	N.A.
Hungary	0.45	0.55	0.50	0.94	0.56	0.48	0.09	0.16	0.06	0.01
Poland	13.90	16.30	15.46	16.47	17.85	18.74	20.40	18.60	17.87	15.91
Romania	4.62	8.58	11.16	11.00	13.38	15.59	13.11	14.65	13.75	N.A.
Far East										
China	23.00	6.60	8.00	12.00	12.80	14.50	15.00	6.40	16.95	16.04
North Korea	0.60	1.60	3.50	5.20	6.00	6.90	7.40	8.90	9.20	9.50
Other										
Yugoslavia	3.42	4.85	2.61	3.79	2.14	3.33	3.32	1.23	1.45	1.72

¹ Units of two, four, or more axles. Most production now consists of four-axle units.

² Shipments.

Table 146

Thousand Units

Television Receiver Production

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States	5,828	11,028	9,483	17,367	15,279	10,637	14,131	15,432	17,406	16,616
Japan	3,578	4,190	13,782	14,414	13,406	12,625	17,105	15,210	13,900	14,400
European Community	6,140	7,210	9,350	11,800	11,700	9,400	10,200	11,200	11,800	11,400
France	655	1,250	1,511	1,695	1,694	1,606	1,777	1,911	2,101	2,040
Italy	728	1,042	2,030	2,200	2,330	1,595	1,813	2,211	2,172	2,031
United Kingdom	2,141	1,591	2,214	3,137	2,616	2,124	2,106	2,175	2,410	2,420
West Germany	2,164	2,776	2,936	3,898	4,165	3,356	3,727	4,082	4,290	4,100
Communist Countries										
USSR and Eastern Europe	2,720	5,360	8,900	8,700	9,300	9,920	10,100	9,940	10,100	10,200
USSR	1,726	3,655	6,682	6,271	6,569	6,960	7,063	7,073	7,165	7,271
Eastern Europe	989	1,700	2,220	2,430	2,730	2,960	3,000	2,870	2,960	2,880
Bulgaria	Negl.	74	193	74	113	124	58	65	70	82
Czechoslovakia	263	274	383	381	409	445	456	461	482	393
East Germany	416	537	380	433	467	509	560	525	489	500
Hungary	139	267	364	353	395	400	412	423	435	421
Poland	171	452	616	796	895	971	963	920	972	915
Romania	Negl.	101	280	397	451	512	548	476	516	574
Far East										
China	N.A.	5	15	75	115	205	163	245	517	1,329
Other										
Yugoslavia	14	254	320	354	418	425	402	427	449	599

Radio Receiver Production ¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States ²	24,463	41,726	44,427	50,198	43,993	34,516	44,102	52,926	48,036	40,029
Canada ³	696	931	2,004	2,652	2,524	1,009	837	1,152	1,049	N.A.
Japan	12,851	22,937	32,618	24,484	18,027	14,283	16,770	17,308	16,278	13,910
European Community	8,560	11,100	16,400	14,800	14,000	10,900	13,000	14,000	11,900	N.A.
Belgium/Luxembourg/Netherlands	1,103	1,240	1,943	1,991	2,283	1,796	1,726	1,894	1,820	N.A.
France	2,214	2,298	2,921	3,017	3,374	3,051	3,458	3,570	3,019	2,770
Italy	935	1,195	3,300	2,150	1,800	791	1,540	1,961	1,616	1,735
United Kingdom	2,504	1,912	1,313	1,376	990	684	723	892	810	N.A.
West Germany	4,313	4,071	6,729	5,953	5,340	4,415	5,443	5,589	4,468	4,441
Communist Countries										
USSR and Eastern Europe	6,400	7,570	10,800	11,900	12,300	12,500	13,000	13,400	13,600	N.A.
USSR	4,165	5,160	7,815	8,615	8,753	8,376	8,456	8,652	8,728	8,452
Eastern Europe	2,240	2,410	3,020	3,250	3,550	4,100	4,590	4,770	4,910	N.A.
Bulgaria	157	130	145	71	110	228	169	147	86	N.A.
Czechoslovakia	270	298	416	226	198	183	224	217	227	N.A.
East Germany	810	808	807	979	1,016	1,071	1,122	1,126	1,103	N.A.
Hungary	212	228	206	199	205	255	250	259	264	257
Poland	627	624	987	1,150	1,422	1,651	2,038	2,291	2,569	2,663
Romania	167	323	455	623	602	712	791	730	664	757
Far East										
China	1,500	1,500	4,600	N.A.	N.A.	N.A.	N.A.	N.A.	11,700	13,800
Other										
Yugoslavia	244	504	277	104	155	140	109	187	172	135

¹ Civilian radio receivers and radio-phonograph combinations.² The data presented reflect the total market and include, prior to 1971, factory sales by manufacturers plus products imported directly for resale. Beginning 1971, data include products produced, imports by manufacturers for sale under their brand names, and products imported directly for resale.³ Receiving sets for home use only.

Table 148

Thousand Units

Rubber Tire Production¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States	123,059	172,532	193,971	228,535	218,203	191,999	190,898	237,049	227,818	212,227
Japan ²	10,100	28,432	63,828	87,744	70,776	74,580	85,284	82,776	90,900	101,024
European Community										
France ¹	16,518	23,374	39,415	45,715	45,405	39,365	43,995	46,590	46,405	49,620
Italy ²	N.A.	N.A.	22,383	28,072	27,715	25,716	28,692	53,292	52,944	53,643
United Kingdom ²	15,904	23,394	30,540	30,288	27,499	26,008	29,871	28,911	26,665	26,934
West Germany ²	14,745	25,566	37,548	41,328	34,608	32,016	37,596	38,232	37,524	38,533
Communist Countries										
USSR and Eastern Europe	25,300	38,700	52,300	65,500	71,600	76,900	80,900	84,900	87,200	89,100
USSR	17,225	26,434	34,620	42,296	47,087	51,480	54,515	57,400	59,018	60,000
Eastern Europe	8,070	12,300	17,700	23,200	24,500	25,400	26,400	27,500	28,200	29,090
Bulgaria	204	474	919	1,494	1,578	1,736	1,738	1,830	1,734	1,752
Czechoslovakia	2,387	2,995	3,933	5,615	5,884	5,945	5,983	6,341	6,439	6,520
East Germany	2,714	3,750	4,692	5,484	5,784	6,272	6,432	6,652	6,728	6,805
Hungary	551	921	1,090	1,033	1,005	1,013	834	814	773	781
Poland	1,862	2,818	4,516	6,169	6,643	6,644	7,207	7,457	7,852	8,500
Romania	351	1,329	2,508	3,398	3,602	3,786	4,194	4,372	4,690	4,736
Other										
Cuba	325	197	202	372	391	368	266	N.A.	N.A.	N.A.
Yugoslavia	391	955	2,763	4,589	4,669	5,110	5,644	8,126	8,862	9,161

¹ Unless otherwise indicated, data are for all motor vehicle tires, excluding aircraft and bicycle tires.² Excluding motorcycle tires.³ Excluding motorcycle, tractor, and agricultural tires.

Table 149

Million Metric Tons

Cement Production ¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD	186	250	318	379	366	336	349	364	387	390
United States	56.06	65.08	67.43	77.58	73.41	61.82	66.18	71.30	76.20	75.30
Canada	5.34	7.66	7.28	10.05	10.64	9.74	9.90	9.89	10.37	10.51
Japan	22.54	32.49	57.19	78.12	73.11	65.52	68.71	73.14	84.88	87.80
Spain	5.23	9.88	16.70	22.37	23.80	24.09	25.30	28.00	29.30	27.91
Turkey	2.04	3.24	6.37	8.95	8.93	10.86	13.15	13.85	15.34	13.79
European Community	77.4	107	132	144	139	129	131	130	133	136
Belgium	4.39	5.90	6.73	7.04	7.47	6.89	7.50	7.76	7.56	7.70
France	14.35	22.42	29.01	30.71	32.47	29.71	29.52	28.96	29.06	28.84
Italy	16.01	20.70	33.08	36.31	36.31	34.24	36.33	38.21	38.23	39.72
United Kingdom	13.50	16.98	17.17	19.99	17.78	16.89	15.78	15.46	15.91	16.14
West Germany ²	24.90	34.13	38.32	41.01	35.98	33.50	34.15	32.24	33.50	35.47
Other Countries										
Brazil	4.74	5.87	9.00	13.40	15.19	16.39	18.68	21.13	23.24	24.65
India	7.84	10.58	13.96	15.02	14.32	16.25	18.70	19.30	19.30	18.26
Mexico	3.09	4.30	7.27	9.92	10.67	11.20	12.69	13.09	14.11	15.05
Communist Countries										
USSR and Eastern Europe	68.4	104	137	160	170	180	186	193	195	190
USSR	45.52	72.39	95.25	109.52	115.14	122.06	124.25	127.06	126.96	123.00
Eastern Europe	22.9	31.8	42.1	50.9	54.8	58.1	61.9	65.6	68.2	67.1
Bulgaria	1.59	2.68	3.67	4.18	4.30	4.36	4.36	4.66	5.15	5.40
Czechoslovakia	5.05	5.71	7.40	8.38	8.97	9.30	9.55	9.75	10.20	10.26
East Germany	5.03	6.09	7.98	9.55	10.10	10.66	11.34	12.10	12.52	12.50
Hungary	1.57	2.38	2.77	3.40	3.44	3.76	4.30	4.62	4.76	4.90
Poland	6.60	9.57	12.18	15.55	16.76	18.54	19.80	21.30	21.65	19.18
Romania	3.05	5.41	8.13	9.85	11.20	11.52	12.55	13.12	13.90	14.82
Far East										
China	12.00	16.28	26.60	41.00	37.30	47.10	49.30	55.65	65.24	73.90
Modern Plants	9.00	10.90	15.10	20.50	16.00	19.40	19.70	20.00	23.42	24.73
Small Plants	3.00	5.38	11.50	20.50	21.30	27.70	29.60	35.65	41.82	49.17
North Korea	2.30	2.40	4.00	5.00	5.20	5.70	4.80	6.00	6.60	7.99
Other										
Cuba	0.80	0.80	0.74	1.76	1.81	2.08	2.50	2.65	2.71	N.A.
Yugoslavia	2.40	3.10	4.40	6.20	6.65	7.07	7.62	8.01	8.70	9.08

¹ All types of hydraulic cements used in construction.² Including data for West Berlin.

Table 150

Lumber Production ¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD	176,000	199,000	214,000	243,000	224,000	198,000	226,000	235,000	238,000	N.A.
United States	77,697	84,236	81,524	91,223	82,581	75,717	86,081	89,448	88,859	87,226
Canada	18,988	25,541	26,734	36,224	32,485	27,287	36,811	41,696	44,681	N.A.
Japan	26,734	33,291	42,127	45,038	40,510	37,362	39,315	38,273	38,867	39,521
Australia	3,299	3,347	3,235	3,263	3,329	3,322	3,285	3,296	3,188	N.A.
Austria	5,004	4,534	5,326	5,735	5,639	4,940	5,987	6,246	5,974	N.A.
Finland	8,289	6,919	7,310	8,140	7,800	5,020	5,850	6,800	7,300	N.A.
Spain	1,077	1,918	2,250	2,514	2,546	2,224	2,554	2,188	2,666	N.A.
Sweden	8,620	10,266	12,246	13,718	13,576	10,890	11,298	11,150	10,877	N.A.
Turkey	736	1,355	2,307	2,447	2,423	2,460	2,944	3,142	3,150	N.A.
European Community	19,600	21,700	24,100	26,600	24,800	21,700	24,200	25,100	24,400	N.A.
France	7,454	8,049	9,263	10,521	9,916	8,271	8,787	9,079	9,025	N.A.
Italy	1,710	1,945	2,292	2,600	2,102	1,639	1,957	2,209	1,983	N.A.
West Germany	7,739	8,891	9,383	10,202	9,905	9,028	10,303	10,348	9,998	N.A.
Other Countries										
Brazil	5,700	5,661	8,035	7,109	7,642	10,128	11,243	12,643	13,337	N.A.
India	1,400	2,100	2,600	2,900	3,000	3,250	3,400	3,550	4,000	N.A.
Malaysia	1,395	1,859	3,110	4,293	4,031	3,817	5,217	5,589	5,147	N.A.
Communist Countries										
USSR and Eastern Europe	124,000	129,000	136,000	137,000	135,000	137,000	133,000	130,000	127,000	N.A.
USSR	105,600	111,000	116,400	116,200	114,700	116,200	112,600	109,500	106,300	100,000
Eastern Europe	18,100	18,100	19,100	20,400	20,400	20,600	20,400	20,500	20,800	N.A.
Bulgaria	1,136	1,190	1,323	1,493	1,462	1,432	1,465	1,590	1,499	N.A.
Czechoslovakia	3,971	3,625	3,639	4,087	4,198	4,242	4,342	4,399	4,561	4,627
East Germany	2,826	1,749	1,819	1,945	2,007	2,051	2,037	2,058	2,050	2,050
Hungary	383	457	555	702	720	693	770	687	757	735
Poland	5,882	6,051	6,471	6,943	7,118	7,541	7,515	7,538	7,507	7,000
Romania	3,928	5,004	5,305	5,253	4,846	4,660	4,311	4,262	4,465	N.A.
Other										
Yugoslavia	2,295	2,677	3,044	3,429	3,654	3,481	3,619	3,962	4,057	4,272

¹ Excluding railroad cross-ties (sleepers).

Table 151

Thousand Metric Tons

Newsprint Production

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD	12,700	15,100	18,800	19,300	19,600	17,300	18,500	19,100	20,000	20,900
United States	1,818	1,978	3,035	3,138	3,080	3,153	3,199	3,192	3,312	3,444
Australia	90	95	173	199	201	196	206	208	208	208
Canada	6,068	7,003	7,996	8,351	8,711	6,966	8,062	8,160	8,808	8,756
Finland	781	1,213	1,305	1,386	1,219	992	991	984	1,128	1,321
New Zealand	91	199	214	218	209	219	275	276	269	269
Norway	226	308	554	527	509	435	466	435	464	566
Sweden	582	679	1,030	1,076	1,223	1,213	1,136	1,111	1,259	1,483
European Community	2,030	2,090	2,170	1,770	1,700	1,500	1,570	1,540	1,620	1,730
France	551	450	430	305	276	238	258	265	286	282
Italy	259	379	311	263	273	243	264	234	263	268
United Kingdom	753	780	757	439	383	319	326	326	360	364
West Germany	230	216	408	516	522	486	501	544	524	600
Other Countries										
South Africa	0	54	160	217	200	210	212	254	244	244
South Korea	27	45	102	120	152	155	155	199	230	180
Communist Countries										
USSR and Eastern Europe	678	1,050	1,420	1,610	1,660	1,660	1,730	1,730	1,794	N.A.
USSR	434	744	1,101	1,298	1,333	1,361	1,390	1,388	1,432	1,500
Eastern Europe	244	303	319	315	324	300	343	343	362	N.A.
Czechoslovakia	34	78	81	77	80	77	79	80	73	74
East Germany	89	94	97	102	105	96	104	81	100	N.A.
Poland	77	79	88	83	86	83	83	89	89	91
Romania	44	52	53	53	53	44	77	98	103	107
Other										
Yugoslavia	28	46	75	76	79	85	90	96	96	84

Table 152

Plywood Production

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States	12,400	19,800	26,200	32,900	27,700	25,400	29,100	30,800	30,500	N.A.
Canada	7,910	12,811	14,078	18,054	15,172	14,579	16,727	17,981	17,056	N.A.
Finland	1,000	1,702	1,851	2,451	2,085	2,051	2,442	2,660	2,807	N.A.
Japan	414	545	706	730	568	415	491	464	549	N.A.
Spain	1,286	2,627	6,922	8,596	7,443	6,168	7,136	7,476	8,016	N.A.
European Community	75	131	225	272	285	266	290	236	178	N.A.
France	1,350	1,640	1,840	2,230	1,630	1,500	1,620	1,570	1,450	N.A.
Italy	390	477	643	818	707	551	580	568	509	N.A.
West Germany	150	300	420	650	280	400	420	380	350	N.A.
Other Countries	660	670	569	542	468	400	449	443	447	N.A.
Brazil	98	220	342	659	655	660	695	698	722	N.A.
Malaysia	2 ¹	28	197	375	311	404	525	565	481	N.A.
Philippines	287	257	653	705	274	423	416	489	490	N.A.
Singapore	N.A.	32	215	350	350	334	380	348	348	N.A.
South Korea	29	215	847	1,481	1,217	1,436	1,671	2,289	2,560	N.A.
Communist Countries										
USSR and Eastern Europe	1,690	2,260	2,600	2,740	2,780	2,850	2,860	2,870	2,820	N.A.
USSR	1,354	1,756	2,045	2,142	2,160	2,196	2,174	2,178	2,122	2,100
Eastern Europe	333	506	558	594	623	658	681	694	701	N.A.
Bulgaria	64	81	71	70	71	65	63	64	62	58
Czechoslovakia	46	55	57	83	96	113	122	120	128	N.A.
East Germany	60	67	73	85	86	78	85	90	95	N.A.
Hungary	22	20	12	8	7	5	4	4	4	N.A.
Poland	73	83	99	99	100	128	132	132	131	N.A.
Romania	68	200	246	249	263	269	275	284	281	N.A.
Other										
Yugoslavia	61	111	103	95	127	126	121	133	135	140

¹ Including Singapore.

**Index and
Conversion Factors**

Transportation

Agriculture

Table 153

Million Metric Tons

Total Grain Production ¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States	181.26	183.46	186.72	237.55	204.50	248.66	257.43	262.30	273.06	293.74
Australia	10.81	9.68	12.86	16.96	16.33	17.73	17.31	13.96	26.12	23.03
Canada	25.39	30.56	26.47	34.59	29.08	35.23	43.14	40.62	39.81	34.67
Japan	20.18	18.24	17.00	16.26	16.48	17.61	15.76	16.84	16.45	15.98
Spain	7.27	8.86	10.30	11.64	13.27	14.20	12.76	13.80	16.17	14.00
Turkey	12.12	12.63	15.66	15.40	16.80	21.91	24.19	20.83	20.63	19.70
European Community	68.7	81.1	87.0	105	107	96.4	90.8	103	116	112
France	23.02	29.05	31.29	42.34	40.68	35.12	32.31	39.03	45.10	42.86
Italy	11.98	14.52	16.15	15.98	16.86	17.15	16.99	14.44	17.67	17.50
United Kingdom	9.46	13.62	13.01	15.12	16.24	13.82	13.17	16.60	17.20	16.78
West Germany	15.06	13.47	16.07	19.95	21.37	20.09	18.27	20.65	23.00	22.00
Other Countries										
Argentina	12.57	16.54	19.66	23.57	23.32	22.79	23.94	23.07	25.35	24.74
Bangladesh	14.57	15.82	16.86	17.97	17.06	19.28	17.87	19.68	18.97	19.27
Brazil	14.61	19.66	22.78	23.62	26.35	26.22	31.23	23.86	27.16	30.16
India	78.97	73.06	101.80	108.09	99.77	117.35	113.05	128.21	132.67	113.16
Indonesia	15.35	15.42	22.15	25.18	25.97	25.21	25.68	25.82	29.80	27.12
Mexico	7.36	11.32	14.99	14.63	14.59	15.34	15.60	15.77	16.50	15.48
Pakistan	6.24	4.46	11.75	12.38	12.25	12.82	13.95	14.55	14.35	15.93
Thailand	8.38	12.26	15.47	17.37	16.16	18.36	17.89	17.25	20.06	20.04
Communist Countries										
USSR and Eastern Europe	173	174	242	296	271	213	302	273	319	254
USSR ²	125.56	121.06	186.80	222.53	195.71	140.12	223.75	195.70	237.18	179.00
Eastern Europe ³	47.2	53.3	55.1	73.0	75.8	73.1	78.0	77.1	82.2	75.1
Bulgaria ⁴	4.97	5.35	6.91	7.47	6.71	7.87	8.66	7.75	7.70	8.46
Czechoslovakia	4.84	5.23	7.20	9.80	10.37	9.28	9.16	10.31	10.95	9.23
East Germany	6.38	6.73	6.46	8.50	9.70	8.91	8.19	8.70	9.82	8.70
Hungary	6.90	7.41	7.62	11.66	12.44	12.19	11.32	12.28	13.25	12.06
Poland	14.30	16.01	16.25	21.80	22.98	19.56	20.86	19.42	21.54	17.34
Romania	9.83	12.60	10.64	13.81	13.55	15.27	19.79	18.61	18.98	19.28
Far East										
China ⁵	140.60	194.50	242.90	265.00	274.90	284.00	286.30	282.75	304.75	332.12
North Korea	2.66	3.15	3.50	3.75	4.90	5.40	5.60	6.00	6.00	6.30
Vietnam ⁶	N.A.	N.A.	N.A.	N.A.	12.90	11.50	13.70	13.00	11.00	13.93

Table 154

Million Metric Tons

Wheat Production

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States	36.87	35.80	36.78	46.56	48.50	57.75	58.31	55.41	48.96	57.54
Australia	7.45	7.07	7.89	11.99	11.36	11.98	11.67	9.37	18.30	16.00
Canada	14.11	17.67	9.02	16.16	13.30	17.08	23.59	19.86	21.17	17.75
Spain	3.52	4.72	4.13	3.97	4.53	4.30	4.44	4.06	4.80	4.19
Turkey	7.00	7.43	10.08	10.08	8.30	11.50	13.00	13.50	13.30	12.70
European Community	27.8	35.3	34.8	41.4	45.4	38.1	39.1	38.4	47.7	44.9
France	11.01	14.76	12.92	17.79	19.14	15.01	16.12	17.35	21.06	18.70
Italy	6.79	9.78	9.69	8.92	9.70	9.61	9.11	6.22	9.19	8.80
United Kingdom	3.04	4.17	4.24	5.00	6.13	4.49	4.74	5.27	6.62	6.80
West Germany	4.82	4.22	5.66	7.13	7.76	7.01	6.70	7.24	8.12	7.97
Other Countries										
Argentina	4.20	6.08	4.92	6.56	5.97	8.57	11.00	5.70	8.10	7.80
India	10.32	12.26	20.09	24.74	21.78	24.10	28.85	29.01	31.75	34.98
Iran	2.60	2.90	4.26	4.60	3.90	5.00	5.50	5.00	5.30	5.00
Pakistan	3.91	4.59	7.29	7.44	7.80	7.67	8.69	9.14	8.29	9.92
Communist Countries										
USSR and Eastern Europe	77.2	78.1	119	136	112	90.2	126	121	151	113
USSR ¹	64.30	59.69	99.73	109.78	83.91	66.22	96.88	92.20	120.82	90.10
Eastern Europe	12.9	18.4	19.0	26.6	27.6	24.0	28.6	28.6	30.2	22.7
Bulgaria	2.38	2.92	3.03	3.26	3.03	3.00	3.51	3.38	3.47	3.32
Czechoslovakia	1.50	1.99	3.17	4.65	5.06	4.20	4.81	5.21	5.60	3.74
East Germany	1.46	1.80	2.13	2.86	3.15	2.74	2.71	2.91	3.15	3.00
Hungary	1.77	2.45	2.72	4.50	4.97	4.01	5.15	5.32	5.67	3.70
Poland	2.30	3.34	4.61	5.81	6.41	5.21	5.74	5.31	6.03	4.22
Romania	3.45	5.94	3.36	5.47	4.99	4.84	6.71	6.43	6.25	4.68
Far East										
China	N.A.	25.00	N.A.	36.00	N.A.	39.00	50.00	N.A.	N.A.	N.A.
Other										
Yugoslavia	3.57	3.46	3.79	4.75	6.28	4.40	5.98	5.60	5.36	4.51

¹ Measured in bunker weight, that is, gross output from the combine which includes excess moisture, unripe and damaged kernels, weed seeds, and other trash. For comparison with US or other country grain output, an average discount of 11 percent should be applied.

Table 155

Coarse Grains Production ¹

Million Metric Tons

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States	141.91	144.20	146.14	186.78	150.90	185.07	193.88	202.39	218.01	229.87
Canada	11.28	12.89	17.45	18.43	15.79	18.15	19.56	20.76	18.64	16.93
Spain	3.39	3.80	5.79	7.28	8.37	9.52	7.92	9.40	10.96	9.39
Turkey	4.95	5.05	5.34	5.07	5.47	6.84	7.36	7.08	7.04	6.69
European Community	40.2	45.2	51.3	62.3	60.8	57.2	50.3	63.5	67.1	66.3
Denmark ²	3.94	5.17	5.58	6.02	6.61	5.69	5.28	6.69	6.83	7.36
France	11.90	14.20	18.28	24.48	21.52	20.07	16.13	21.56	24.00	24.14
Italy	4.57	4.23	5.64	6.02	6.11	6.53	6.57	7.50	7.52	7.69
United Kingdom	6.42	9.44	8.77	10.12	10.11	9.33	8.43	11.35	10.59	9.98
West Germany	10.25	9.25	10.41	12.82	13.61	13.07	11.56	13.42	14.88	14.03
Other Countries										
Argentina	8.22	10.30	14.34	16.75	17.03	13.87	12.63	17.49	16.94	16.62
Brazil	9.10	11.44	14.29	14.43	17.01	16.89	18.45	14.37	16.92	19.06
India	16.64	14.87	18.31	17.28	18.34	19.90	19.84	20.11	20.09	16.62
Mexico	5.84	8.96	11.91	12.09	11.33	11.83	11.77	12.97	13.76	12.85
South Africa	5.76	5.06	6.67	4.71	11.94	9.70	7.74	10.78	8.44	10.68
Communist Countries										
USSR and Eastern Europe	95.3	95.6	122	157	158	121	174	150	166	139
USSR ³ ⁴	61.08	60.79	85.78	110.98	109.88	71.88	124.87	101.28	114.26	86.50
Eastern Europe	34.2	34.8	35.8	46.3	48.0	48.9	49.2	48.3	51.9	52.3
Bulgaria	2.56	2.40	3.81	4.15	3.62	4.80	5.11	4.30	4.17	5.09
Czechoslovakia	3.34	3.24	4.02	5.15	5.31	5.08	4.34	5.09	5.35	5.49
East Germany ³	4.92	4.93	4.32	5.64	6.55	6.17	5.48	5.78	6.67	5.70
Hungary	5.08	4.94	4.85	7.09	7.41	8.11	6.14	6.93	7.56	8.32
Poland ³	12.00	12.67	11.64	15.99	16.57	14.35	15.12	14.11	15.51	13.12
Romania	6.33	6.61	7.21	8.29	8.51	10.36	13.04	12.13	12.67	14.54
Other										
Cuba ³	0.10	0.03	0.02	0.02	0.02	0.02	0.02	0.01	0.01	N.A.
Yugoslavia	7.34	7.10	7.79	9.36	9.31	10.57	10.20	10.92	8.52	11.05

¹ Data are for the following products, where they are produced: barley, corn, oats, rye, and sorghum.

² Excluding corn.

³ Unless otherwise indicated, data include miscellaneous grains.

⁴ Measured in bunker weight, that is, gross output from the combine, which includes excess moisture, unripe and damaged

kernels, weed seeds, and other trash. For comparison with US or other country grain output, an average discount of 11 percent should be applied.

⁵ Corn only. Data reflect government collections only. Total production is somewhat higher.

Table 156

Rice Production ¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States	2,477	3,460	3,801	4,208	5,098	5,811	5,243	4,500	6,087	6,332
Japan	16,072	15,511	15,861	15,187	15,365	16,456	14,716	16,368	15,736	14,957
European Community	725	607	907	1,110	1,100	1,050	935	743	998	1,040
Italy	622	509	819	1,044	1,047	1,009	907	719	956	1,009
Other Countries										
Bangladesh	14,522	15,767	16,733	17,881	16,947	19,162	17,644	19,467	18,468	18,769
Brazil	5,392	5,802	5,394	6,483	7,000	8,500	8,000	7,491	7,550	8,600
Burma	6,850	8,258	8,162	8,601	8,625	9,207	9,318	9,462	10,512	9,800
India	52,011	45,929	63,401	66,141	59,428	73,183	62,938	79,084	80,824	61,562
Indonesia	14,953	15,063	19,324	21,481	22,463	22,331	23,301	23,347	25,772	24,118
South Korea	4,151	4,770	5,471	5,850	6,174	6,485	7,243	8,342	7,361	7,800
Thailand	9,508	11,164	13,570	14,350	14,500	15,200	15,800	15,000	16,800	16,500
Communist Countries										
USSR and Eastern Europe	313	683	1,460	1,950	2,080	2,210	2,110	2,370	2,240	2,560
USSR	187	583	1,279	1,765	1,913	2,009	2,001	2,220	2,096	2,400
Eastern Europe	126	100	176	181	167	205	110	150	142	158
Bulgaria	32	33	66	62	58	68	41	68	61	50
Hungary	45	21	45	69	56	69	32	35	23	43
Romania	49	46	65	50	53	68	37	47	58	65
Far East										
China	N.A.	N.A.	N.A.	130,000	N.A.	N.A.	125,000	129,000	136,900	N.A.
Vietnam ²	4,212	4,600	4,500	3,900	4,500	4,500	12,500	11,300	9,000	11,290
Other										
Cuba	306	50	291	236	309	338	335	334	344	N.A.
Yugoslavia	22	25	32	32	31	37	23	36	34	45

¹ Rough, or paddy, rice. Data refer to crops harvested in the last half of the year stated, combined with crops harvested in the first half of the following year.

² Prior to 1976, data for North Vietnam.

Potato Production

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD	97.2	82.4	84.6	75.7	79.3	68.0	68.1	77.5	76.5	72.1
United States	11.68	13.14	14.78	13.61	15.54	14.62	16.22	16.08	16.57	15.80
Austria	3.81	2.54	2.70	2.12	2.00	1.58	1.75	1.35	1.40	1.37
Canada	2.06	2.11	2.30	2.06	2.51	2.11	2.34	2.49	2.48	2.51
Japan	3.59	4.06	3.62	3.42	2.94	3.26	3.74	3.52	3.32	3.29
Spain	4.62	4.00	5.30	5.58	5.69	5.34	5.66	5.88	5.32	5.25
European Community	61.3	47.5	46.5	40.6	42.0	32.9	29.3	38.8	38.0	34.7
France	15.89	11.07	8.90	7.54	7.50	6.86	4.33	7.80	7.46	7.08
Italy	3.82	3.55	3.67	2.95	2.90	2.90	2.94	3.08	2.80	2.70
Netherlands	3.97	3.24	5.65	5.77	6.10	4.74	4.78	5.75	6.23	6.15
United Kingdom	7.27	7.58	7.82	7.09	7.16	4.55	4.79	6.62	7.33	6.59
West Germany	24.54	18.09	16.25	13.68	14.55	10.85	9.81	11.37	10.51	8.75
Other Countries										
Argentina	2.07	2.49	2.34	1.54	2.17	1.35	1.53	1.77	1.59	1.70
India	2.75	3.60	3.91	4.45	4.86	6.22	7.31	7.17	8.15	10.18
Communist Countries										
USSR and Eastern Europe	149	152	169	181	153	151	152	145	154	162
USSR	84.37	88.68	96.78	108.20	81.02	88.70	85.10	83.65	86.12	90.30
Eastern Europe	64.3	63.4	72.4	72.6	72.3	62.0	67.2	61.3	67.7	72.1
Bulgaria	0.48	0.28	0.37	0.33	0.34	0.32	0.35	0.38	0.39	0.44
Czechoslovakia	5.09	3.68	4.79	5.09	4.52	3.57	4.21	3.76	3.99	3.74
East Germany	14.82	12.86	13.05	11.40	13.40	7.67	6.82	10.31	10.78	12.54
Hungary	3.00	1.76	1.81	1.16	1.36	1.27	1.09	1.33	1.52	1.20
Poland	37.90	42.66	50.30	51.93	48.52	46.43	49.95	41.32	46.60	49.60
Romania	3.01	2.19	2.06	2.64	4.12	2.72	4.79	4.21	4.46	4.57
Other										
Cuba ¹	0.02	0.08	0.08	0.06	0.09	0.12	0.15	0.14	0.18	N.A.
Yugoslavia	3.27	2.38	2.96	2.97	3.13	2.39	2.83	3.03	2.50	2.69

¹ Data reflect government collections only; the total production is considerably higher.

Table 158

Thousand Metric Tons

Sugar Production ¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States ²	3,637	4,871	5,327	5,498	5,136	5,680	6,163	5,666	5,388	5,027
Australia ³	1,441	2,073	2,507	2,583	2,439	2,930	3,395	3,452	2,978	3,058
European Community	7,630	7,740	8,580	9,650	8,890	10,000	10,300	12,000	12,200	12,300
France	2,267	2,483	2,580	2,916	2,712	2,981	2,721	3,905	3,719	3,762
Italy	998	1,242	1,199	1,194	982	1,429	1,758	1,426	1,710	1,778
United Kingdom	860	967	925	908	837	724	657	894	979	1,054
West Germany	1,877	1,634	2,100	2,459	2,506	2,571	2,844	3,200	3,119	3,086
Other Countries ¹										
Brazil	3,319	4,614	5,019	6,937	6,931	6,299	7,236	8,759	7,913	7,129
India	2,814	3,493	4,634	3,988	4,489	5,048	5,033	5,019	7,103	6,478
Mexico	1,530	2,120	2,402	2,810	2,838	2,636	2,710	2,790	3,131	2,905
Philippines	1,398	1,659	1,980	2,250	2,656	2,672	2,984	2,624	2,273	2,292
South Africa	952	1,014	1,649	1,953	1,970	1,968	2,113	2,369	2,287	2,200
Communist Countries										
USSR and Eastern Europe ⁴										
USSR	11,100	16,200	15,300	16,400	14,700	16,100	14,600	18,200	18,400	16,600
Eastern Europe	6,916	11,997	11,110	11,646	10,267	11,285	10,053	13,083	13,268	11,522
Bulgaria	186	342	403	407	370	343	393	391	390	390
Czechoslovakia	958	874	951	859	896	913	684	939	986	1,020
East Germany	739	618	587	704	709	793	725	758	775	754
Hungary	414	465	304	326	290	335	395	476	539	541
Poland ⁵	1,484	1,505	1,509	1,782	1,595	1,857	1,773	1,813	1,795	1,786
Romania	425	437	410	683	561	561	610	775	603	571
Far East										
China	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	1,816	2,267	2,500
Other										
Cuba ⁶	5,942	6,156	8,538	5,253	5,925	6,314	6,156	6,485	7,350	7,999
Yugoslavia	243	363	385	483	502	571	627	725	755	765

¹ Unless otherwise indicated, data are for beet sugar produced in the calendar year. Data are given in terms of the raw value of centrifugal sugar. Refined sugar is equal to approximately 92 percent of raw sugar weight. Centrifugal, as distinguished from noncentrifugal, sugar includes cane and beet sugar produced by the centrifugal process and is the principal type of sugar moving in international trade.

² Including cane sugar; excluding data for Puerto Rico.

³ Cane sugar only.

⁴ Including raw cane sugar imported for refining.

⁵ Beet sugar only.

⁶ Raw cane sugar of 96° polarization. Data are for crop years ending 30 June of the stated year.

Table 159

Thousand Metric Tons

Fish Catch ¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978
OECD									
United States	2,815	2,696	2,892	2,858	2,929	2,920	3,160	3,085	3,512
Canada	934	1,262	1,388	1,161	1,042	1,033	1,133	1,270	1,407
Iceland	593	1,199	734	902	945	996	992	1,378	1,579
Japan	6,207	6,929	9,350	10,748	10,805	10,524	10,662	10,763	10,752
Norway	1,543	2,312	2,986	2,987	2,668	2,542	3,416	3,460	2,647
Spain	970	1,355	1,542	1,578	1,510	1,518	1,475	1,394	1,380
European Community	3,580	4,110	4,550	4,780	5,150	4,890	5,060	4,840	4,880
Denmark	581	841	1,226	1,465	1,835	1,767	1,912	1,807	1,746
France	734	768	782	814	808	806	806	760	796
United Kingdom	924	1,047	1,099	1,136	1,089	980	1,040	1,006	1,040
West Germany	674	633	613	478	526	442	454	432	412
Other Countries									
Chile	340	708	1,228	691	1,158	930	1,409	1,349	1,698
India	1,161	1,331	1,756	1,958	2,255	2,266	2,174	2,312	2,368
Indonesia	761	1,102	1,228	1,265	1,336	1,390	1,483	1,572	1,655
Peru	3,727	7,632	12,535	2,328	4,145	3,448	4,343	2,541	3,365
Philippines	466	686	1,031	1,304	1,371	1,443	1,394	1,511	1,558
Thailand	221	627	1,444	1,679	1,516	1,553	1,660	2,190	2,264
Communist Countries									
USSR and Eastern Europe	3,890	6,400	8,790	10,200	10,800	11,700	11,800	10,900	10,400
USSR ²	3,541	5,774	7,828	9,005	9,622	10,357	10,478	9,651	9,230
Eastern Europe	349	624	966	1,160	1,210	1,330	1,280	1,240	1,120
Bulgaria	8	17	84	96	109	151	160	138	150
Czechoslovakia	9	11	13	15	16	17	17	18	17
East Germany	114	229	319	334	326	325	279	210	201
Hungary	15	20	15	16	16	17	16	18	18
Poland	187	301	473	589	615	679	689	703	594
Romania	16	46	62	106	130	139	124	149	140
Other									
Cuba	31	40	106	150	165	143	194	185	213
Yugoslavia	31	42	46	51	54	57	59	61	63

¹ Unless otherwise indicated, data are in terms of live weight for all species of fish and seaweed, crustaceans, and mollusks but exclude aquatic mammals.

² Including aquatic mammals.

Table 160

Million Head

Cattle Numbers ¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States	96.24	109.00	112.37	121.54	127.79	132.03	127.98	122.81	116.38	110.86
Australia	16.50	18.82	22.16	29.10	30.84	32.79	33.43	31.53	29.38	27.11
Canada	10.39	12.13	11.63	12.73	13.21	14.01	14.05	15.71	12.87	12.33
New Zealand	5.99	6.80	8.78	9.09	9.42	9.65	9.78	9.47	9.13	8.40
Turkey ²	14.30	14.41	14.37	14.08	14.26	14.41	14.80	15.16	15.55	15.96
European Community	65.6	68.0	72.9	74.8	79.0	79.3	77.5	77.1	77.2	77.8
France	18.74	20.24	21.72	22.56	23.95	24.33	23.64	23.33	23.36	23.51
Italy ²	9.40	9.23	9.61	8.80	8.49	8.24	8.53	8.81	8.57	8.72
United Kingdom	11.48	11.69	12.30	13.76	14.84	14.84	13.92	13.67	13.52	13.51
West Germany	12.48	13.05	14.29	13.89	14.36	14.43	14.49	14.50	14.76	15.01
Other Countries										
Argentina	43.52	46.79	52.26	54.84	56.80	58.70	61.47	61.89	61.82	60.17
Brazil ²	72.89	84.25	78.45	86.14	92.00	91.00	92.00	91.00	89.00	90.00
Colombia	15.00	17.00	20.20	22.10	23.03	23.22	23.82	24.34	25.22	26.14
Ethiopia	22.45	25.42	26.23	24.02	26.93	25.88	25.96	25.66	25.86	25.90
Mexico	17.41	21.08	24.88	26.83	27.51	28.40	28.90	29.30	29.70	29.30
South Africa	12.30	12.44	10.13	11.74	11.91	12.33	12.77	13.06	13.14	13.32
Communist Countries										
USSR and Eastern Europe	99.3	114	124	135	139	142	144	143	146	148
USSR	74.16	87.17	95.16	104.01	106.27	109.12	111.03	110.35	112.69	114.09
Eastern Europe	25.2	27.2	28.5	31.1	32.3	33.0	32.7	33.1	33.4	33.8
Bulgaria	1.28	1.47	1.26	1.44	1.45	1.55	1.66	1.72	1.74	1.79
Czechoslovakia	4.30	4.44	4.22	4.47	4.56	4.57	4.56	4.65	4.76	4.89
East Germany ³	4.46	4.68	5.17	5.38	5.48	5.58	5.53	5.47	5.55	5.57
Hungary	1.97	1.94	1.93	1.89	1.93	2.02	1.90	1.89	1.95	1.97
Poland ³	8.70	9.95	10.84	12.19	13.02	13.25	12.88	13.02	13.12	13.04
Romania	4.45	4.76	5.04	5.77	5.90	5.98	6.13	6.35	6.30	6.51
Other										
Yugoslavia	5.25	5.16	4.98	5.31	5.62	5.81	5.69	5.58	5.50	5.49

¹ Unless otherwise indicated, data are as of the beginning of the year.² Including buffalo.³ As of 30 June.

Hog Numbers ¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States	59.03	56.11	57.05	59.02	60.61	54.69	49.27	54.93	56.54	60.10
Canada	6.05	5.60	6.56	7.30	6.99	5.90	5.69	6.16	6.65	7.50
Japan	1.92	3.98	6.34	7.31	8.02	7.68	7.46	8.13	8.78	9.49
Spain	6.03	4.02	6.92	8.47	8.31	7.86	8.58	9.86	10.50	11.00
European Community	44.9	55.4	65.2	68.7	70.2	69.7	68.1	70.4	72.7	75.6
Denmark	6.20	8.20	8.35	8.70	8.24	8.05	7.58	7.90	8.23	9.22
France	8.36	9.04	10.46	11.39	11.42	12.03	11.45	11.51	11.55	11.29
Italy	4.15	5.41	9.22	7.99	8.20	8.81	8.89	9.10	9.42	8.92
Netherlands	2.82	3.69	5.47	6.41	6.91	7.14	7.06	7.31	8.35	9.37
United Kingdom	6.01	7.94	8.13	8.84	9.14	7.83	7.67	8.15	7.73	7.96
West Germany	14.87	18.15	19.32	20.03	20.45	20.23	19.80	20.59	21.39	22.64
Other Countries										
Brazil	46.82	58.70	35.60	41.20	43.20	35.20	36.00	36.80	37.60	36.00
Mexico	6.08	8.53	10.30	9.40	11.66	11.70	12.00	12.30	12.50	12.60
Philippines	6.57	6.94	6.46	8.63	6.71	6.60	6.49	5.70	6.91	7.23
Communist Countries										
USSR and Eastern Europe	91.9	97.2	97.4	121	128	132	115	123	132	136
USSR	53.37	52.84	56.06	66.59	70.03	72.27	57.90	63.06	70.51	73.48
Eastern Europe	38.5	44.4	41.4	54.5	58.0	59.8	56.7	59.7	62.0	62.7
Bulgaria	2.27	2.61	1.97	2.60	2.43	3.42	3.89	3.46	3.40	3.83
Czechoslovakia	5.69	6.14	5.04	6.09	6.27	6.72	6.68	6.82	7.51	7.60
East Germany ²	8.28	8.76	9.24	10.36	10.85	11.52	11.50	11.29	11.76	11.73
Hungary	5.36	7.04	5.70	6.86	8.01	8.29	6.95	7.85	7.85	8.01
Poland	12.62	13.78	13.45	19.78	21.50	21.31	18.85	20.05	21.72	21.22
Romania	4.30	6.03	5.97	8.78	8.99	8.57	8.81	10.19	9.74	10.34
Far East										
China	N.A.	168.00	226.00	N.A.	287.00	N.A.	N.A.	291.78	301.29	319.70
Other										
Cuba ³	N.A.	1.75	0.26	0.35	0.43	0.60	0.68	N.A.	0.70	N.A.
Yugoslavia	6.21	6.99	5.54	6.34	7.40 ⁴	7.68	7.54	7.32	8.45	7.75

¹ Unless otherwise indicated, data are as of the beginning of the year.² As of 30 November of the previous year.³ State sector only.⁴ As of 15 January.

Table 162

Meat Production ¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979 ²
OECD										
United States	12,808	14,306	22,548	22,105	23,638	22,986	24,925	25,277	25,213	25,227
Australia	1,360	1,668	2,166	2,566	2,197	2,469	2,825	2,925	3,124	2,955
Canada	1,100	1,340	2,053	2,144	2,162	2,156	2,284	2,274	2,282	2,307
Japan	318 ³	589 ³	1,398	1,853	2,071	2,072	2,188	2,305	2,579	2,780
New Zealand	746	781	1,009	1,064	971	1,059	1,190	1,128	1,131	1,071
Spain	554 ³	599 ³	1,255	1,698	1,925	1,835	1,907	2,045	2,091	2,174
European Community	10,200	11,500	16,100	16,700	18,400	18,200	18,500	18,700	19,200	20,200
Denmark	760 ³	901 ³	1,040	1,080	1,099	1,080	1,074	1,090	1,148	1,234
France	2,646 ³	2,836 ³	3,814	3,952	4,349	4,357	4,535	4,399	4,547	4,866
Italy	1,011 ³	1,083 ³	2,054	2,217	2,693	2,360	2,485	2,922	3,024	3,086
Netherlands	674 ³	772 ³	1,396	1,530	1,714	1,747	1,793	1,709	1,778	1,884
United Kingdom	1,719	2,018	2,604	2,689	2,885	2,852	2,802	2,808	2,626	2,873
West Germany	2,694 ³	3,074 ³	3,749	3,678	3,952	3,956	4,092	4,178	4,392	4,646
Other Countries										
Argentina	2,277 ³	2,445 ³	3,188	2,752	2,804	3,103	3,473	3,555	3,800	3,789
Brazil	1,767 ³	2,039 ³	3,015	3,339	3,287	3,569	3,664	4,023	3,898	3,917
Mexico	586 ³	750 ³	1,024	1,101	1,314	1,260	1,338	1,386	1,417	1,451
Communist Countries										
USSR and Eastern Europe ⁴	13,900	16,100	19,200	22,000	23,800	24,600	23,100	24,400	25,800	26,100
USSR	8,682	9,956	12,278	13,527	14,620	14,968	13,583	14,722	15,501	15,500
Eastern Europe ⁵	5,260	6,170	6,920	8,450	9,180	9,660	9,510	9,710	10,300	10,600
Bulgaria	307	464	476	566	562	657	732	703	726	765
Czechoslovakia	802	978	1,098	1,242	1,307	1,349	1,322	1,383	1,529	1,547
East Germany	1,021	1,126	1,271	1,490	1,598	1,837	1,808	1,767	1,809	1,814
Hungary	816	929	1,040	1,217	1,341	1,422	1,324	1,467	1,525	1,563
Poland	1,751	2,012	2,182	2,729	3,061	3,062	2,896	2,883	3,132	3,254
Romania	561	657	857	1,203	1,307	1,328	1,426	1,503	1,533	1,676
Other										
Yugoslavia ⁴	824	972	1,059	1,067	1,283	1,329	1,309	1,425	1,570	1,452

¹ Data are on a carcass weight, bone-in basis, and are for beef, veal, buffalo, pork, mutton, lamb, goat, and poultry where they are produced. Unless otherwise indicated, data exclude horsemeat, rabbit, game, edible offal, and lard.

² Non-Communist country data include meat from animals imported for slaughter.

³ Including horsemeat.

⁴ Data are on a slaughter weight, bone-in basis, and include horsemeat, rabbit, game, edible offal, and slaughter fats in addition to the meat.

to the meats listed in footnote 1 above. Slaughter weight is roughly 3 percent less than carcass weight because it excludes kidney and leaf fat. As a result of this broader coverage, the meat production data for the USSR and Eastern Europe are above the level attained if the coverage was limited to that shown for other countries.

⁵ Data are not comparable with those presented in previous editions of the Handbook of Economic Statistics because of broader coverage.

Milk Production ¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States	53,702	56,324	53,268	52,386	52,414	52,312	54,554	55,655	55,160	56,074
Australia	6,355	6,969	7,712	7,167	6,957	6,670	6,421	5,933	5,642	5,816
Canada	8,385	8,328	8,272	7,667	7,626	7,744	7,685	7,743	7,615	7,675
Japan	1,887	3,221	4,760	4,908	4,868	4,961	5,262	5,735	6,125	6,490
New Zealand	5,318	6,232	5,907	5,988	5,674	5,909	6,359	6,635	6,069	6,361
European Community	83,500	88,400	91,100	96,700	97,900	98,800	100,000	103,000	106,000	109,000
Denmark	5,399	5,367	4,630	4,729	4,818	4,918	5,045	5,139	5,324	5,235
France ²	22,652	26,771	27,245	29,291	30,629	30,910	30,801	31,478	31,730	32,950
Italy ²	9,648	9,184	8,936	9,690	9,966	10,032	10,233	10,515	10,824	11,100
Netherlands	6,838	7,142	8,239	9,354	9,915	10,221	10,490	10,612	11,367	11,580
United Kingdom ³	12,670	11,386	12,374	14,402	13,692	13,520	13,500	14,503	15,180	15,340
West Germany	19,250	21,253	21,856	21,265	21,508	21,604	22,165	22,523	23,291	23,800
Other Countries										
Argentina	4,530	4,667	4,196	5,221	5,980	5,646	5,625	5,303	5,331	5,220
Brazil ⁴	5,045	6,194	7,722	7,211	8,497	8,849	9,296	9,539	10,500	10,600
India ⁵	N.A.	N.A.	22,040	23,100	23,700	24,000	24,300	24,400	25,000	25,700
Mexico ⁴	2,473	4,121	4,899	6,199	6,331	6,619	6,350	6,634	6,862	7,150
Spain ²	N.A.	3,993	4,894	5,332	5,429	5,504	5,726	5,877	6,107	6,134
Communist Countries										
USSR and Eastern Europe	88,800	101,000	116,000	124,000	129,000	127,000	127,000	133,000	134,000	133,000
USSR ⁴	61,718	72,563	83,016	88,300	91,760	90,804	89,675	94,929	94,677	93,300
Eastern Europe	27,100	28,700	32,700	36,100	37,100	36,700	37,200	38,400	39,200	39,200
Bulgaria	745	1,000	1,252	1,345	1,411	1,436	1,458	1,525	1,600	1,698
Czechoslovakia ⁶	3,830	3,924	4,795	5,431	5,504	5,463	5,401	5,530	5,642	5,665
East Germany ⁷	5,730	6,371	7,091	7,738	8,076	8,095	8,092	8,100	8,225	8,100
Hungary ⁶	1,958	1,762	1,863	1,957	2,020	1,822 ⁸	1,931 ⁸	2,142 ⁸	2,266 ⁸	2,370 ⁸
Poland	12,501	13,345	14,950	16,245	16,668	16,377	16,521	16,908	17,122	17,019
Romania ⁹	2,358	2,304	2,755	3,390	3,387	3,458	3,827	4,230	4,368	4,377
Other										
Cuba	N.A.	N.A.	475	569	594	611	630	708	716	N.A.
Yugoslavia	2,283	2,303	2,567	3,106	3,487	3,654	3,846	4,073	4,132	4,173

¹ Whole milk from cows, unless otherwise indicated.² Including milk from sheep and goats.³ Total sales off-farm.⁴ Including milk from sheep, goats, camels, and mares.⁵ Including milk from buffaloes and goats.⁶ Including milk sucked by young animals.⁷ In terms of 3.5 percent butterfat content.⁸ Excluding milk sucked by young animals.⁹ Including milk from buffaloes.

Table 164

Thousand Metric Tons

Wool Production ¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States	146.20	109.30	85.02	71.37	63.99	58.54	52.95	50.00	46.44	45.57
Australia	737.20	754.23	923.40	735.21	700.89	793.48	754.27	702.70	676.99	708.96
New Zealand	266.50	315.16	333.80	308.80	284.80	294.10	311.80	302.50	310.77	320.56
Turkey	43.50	43.00	47.15	51.74	52.40	52.32	53.92	54.50	55.02	55.22
Spain	35.10	36.40	33.81	31.76	31.62	29.15	28.56	27.80	36.72	36.98
European Community	116	117	93.3	96.1	98.1	98.0	96.8	95.1	100	100
France	29.53	25.40	20.35	21.40	21.70	21.90	22.10	22.20	22.20	22.20
Ireland	11.20	11.90	9.72	9.97	10.00	9.30	9.30	8.00	8.00	8.00
Italy	13.38	15.80	11.70	11.10	11.40	11.60	11.90	12.10	12.10	12.10
United Kingdom	54.98	58.65	46.30	48.49	49.62	49.26	47.63	46.90	50.25	50.35
Other Countries										
Afghanistan	N.A.	N.A.	27.00	23.10	24.00	25.00	25.40	25.80	26.50	27.00
Argentina	221.10	220.60	170.00	160.00	155.00	160.00	164.00	167.00	173.92	175.24
Brazil	24.10	35.47	31.71	35.71	34.77	34.55	30.10	30.80	34.22	35.02
Chile	23.90	25.49	25.50	17.67	18.29	18.80	19.18	22.10	22.46	23.19
India	34.11	35.02	36.00	30.10	30.50	31.00	32.10	32.70	33.18	33.66
Iran	29.60	34.30	19.60	16.50	17.30	17.50	18.00	18.30	19.82	20.17
Morocco	15.00	14.00	15.50	23.00	19.00	20.00	21.00	21.00	21.54	22.04
Pakistan	14.70	17.00	19.50	23.59	24.87	27.08	29.50	32.13	34.86	37.82
South Africa ²	143.80	159.30	145.60	109.90	105.10	108.20	107.30	110.50	112.70	113.00
Uruguay	82.50	84.00	79.65	54.81	51.83	54.24	62.24	62.60	71.11	89.10
Communist Countries										
USSR and Eastern Europe	427	436	507	525	555	563	535	564	577	N.A.
USSR	356.80	356.90	418.90	433.30	461.60	466.60	435.50	459.00	467.00	472.00
Eastern Europe	70.5	78.9	88.1	91.6	93.9	96.6	99.0	105	110	N.A.
Bulgaria	21.04	25.80	28.81	32.23	33.00	34.01	33.84	34.05	33.30	34.20
Czechoslovakia ³	2.50	2.03	3.99	3.68	3.61	3.49	3.50	3.64	3.82	N.A.
East Germany	7.90	8.10	6.90	8.40	9.10	9.70	10.60	10.40	10.98	11.10
Hungary	8.20	10.06	9.78	7.58	8.30	8.39	8.52	9.85	10.70	11.14
Poland	9.04	7.50	8.94	8.63	9.00	9.45	10.56	12.32	13.26	13.00
Romania	21.85	25.41	29.72	31.04	30.86	31.53	32.02	34.70	37.40	N.A.
Other										
Yugoslavia	13.55	12.56	11.95	9.55	10.31	10.66	9.90	9.66	10.22	11.00

¹ Raw wool (grease basis) from sheep, which includes both shorn and pulled wool together with the wool element of "wooled sheepskins."

² Including data for Lesotho and Namibia.

³ Purchases.

Ginned Cotton Production

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD	3,420	3,770	2,800	3,520	3,330	2,490	2,960	3,950	3,080	3,950
United States	3,107	3,260	2,219	2,825	2,513	1,808	2,303	3,133	2,364	3,231
Greece	63	75	110	107	126	130	119	153	153	100
Turkey	169	325	400	513	598	480	475	575	477	499
Other Countries										
Argentina	124	104	85	127	171	133	170	228	177	184
Brazil	425	542	594	534	529	396	553	477	575	564
Colombia	70	65	117	134	152	121	149	140	81	113
Egypt	478	521	509	490	438	382	396	399	438	482
Guatemala	21	90	57	120	105	102	138	141	165	149
India	1,008	997	954	1,199	1,290	1,160	1,073	1,232	1,349	1,301
Iran	99	152	154	199	237	139	156	178	132	108
Mexico	457	567	312	325	484	197	227	353	340	334
Nicaragua	33	111	78	146	121	109	118	121	112	22
Pakistan	304	417	542	658	634	514	418	551	453	683
Sudan	114	164	245	236	220	108	159	198	138	163
Syria	111	180	150	156	145	158	156	151	143	126
Communist Countries										
USSR and Eastern Europe	1,480	1,940	2,360	2,620	2,870	2,690	2,820	2,980	2,900	3,120
USSR	1,458	1,925	2,343	2,606	2,859	2,674	2,815	2,978	2,890	3,114
Eastern Europe ¹	20	14	15	17	13	14	5	5	5	5
Bulgaria	20	14	15	17	12	13	5	5	5	5
Romania	N.A.	N.A.	N.A.	N.A.	1	1	Negl.	Negl.	Negl.	Negl.
Far East										
China	900	1,650	2,000	2,600	2,500	2,400	2,300	2,049	2,167	2,207
Other ¹										
Yugoslavia	2	2	4	3	2	2	2	1	Negl.	Negl.

¹ Data are for the crop year beginning 1 August of the stated year.

Table 166

Kilograms per Hectare of Arable Land ¹

Mineral Fertilizer Consumption, Nutrient Content

	1960/61	1965/66	1970/71	1973/74	1974/75	1975/76	1976/77	1977/78	1978/79
OECD ²									
United States	38.9	63.0	80.9	86.5	76.7	90.0	106.5	99.5	108.0
Australia	21.2	29.2	22.2	32.3	19.7	15.9	23.5	24.5	26.0
Canada	8.6	16.3	18.5	27.3	28.4	29.8	31.8	34.3	40.0
Japan	N.A.	332.2	372.6	407.1	374.9	319.3	430.5	428.1	448.0
Spain	31.6	38.0	59.3	72.5	72.6	69.3	82.0	68.5	79.0
Turkey	1.5	5.7	15.7	25.5	22.1	29.8	46.3	46.5	52.0
European Community									
Belgium-Luxembourg	N.A.	N.A.	564.8	609.3	574.9	540.4	517.8	532.8	537.0
Denmark	151.1	182.3	223.4	271.3	215.8	239.4	243.6	261.1	259.0
France	102.4	150.9	243.5	311.6	245.9	246.7 ³	269.1	277.6	298.0
Ireland	124.8	172.1	365.0	462.3	340.1	410.7	489.7	619.4	678.0
Italy	51.5	70.7	89.6	115.4	103.5	121.0	105.4	140.9	176.0
Netherlands	456.1	580.8	749.3	759.0	756.5	750.7	758.0	737.3	729.0
United Kingdom	183.3	206.5	259.9	258.3	257.0	262.9	273.8	287.6	297.0
West Germany	266.2	348.8	399.6	393.6	402.0	385.5	423.1	422.0	429.0
Other Countries									
Brazil	N.A.	8.2	28.3	45.0	47.6	52.3	63.0	77.4	79.0
India	2.3	4.7	13.2	17.2	15.7	16.5	20.2	25.3	28.0
Communist Countries									
USSR and Eastern Europe									
USSR ^{3,4}	11.2	26.5	44.3	58.0	62.6	74.3	76.4	77.6	79.2
Eastern Europe ⁵									
Bulgaria	33.8	79.1	141.1	140.6	126.4	156.5	152.0	171.9	171.0
Czechoslovakia ⁵	91.4	166.3	240.4	276.8	279.2	314.7	319.7	310.7	333.0
East Germany	197.4	262.2	310.7	361.3	376.3	361.5	352.9	332.0	332.0
Hungary	29.5	63.3	149.7	216.4	242.8	276.3	253.7	278.7	283.0
Poland	49.0	83.1	167.8	221.3	230.7	242.4	239.0	241.0	247.0
Romania	8.1	25.4	56.5	81.9	88.0	114.0	108.8	107.1	140.0
Far East									
China ⁵	4.6	13.7	27.5	41.5	39.4	44.7	40.3	58.9	73.0
North Korea	N.A.	81.5	165.0	216.6	284.6	N.A.	N.A.	N.A.	N.A.

Other

Albania	N.A.	15.3	78.8	91.4	99.8	100.6	109.1	118.3	126.0
Yugoslavia	27.9	54.8	77.0	87.3	84.3	89.6	92.2	100.9	108.0

¹ Land under temporary crops, gardens, fallow or idle land, and permanent crops such as orchards and vineyards, unless otherwise indicated.

² Data are "fertilizer years"—in general, the year beginning 1 July.

³ Including phosphate rock; excluding livestock phosphates. Data indicate the quantity supplied to agriculture.

⁴ Arable land is total area less pasture and hayland.

⁵ Sown area is used because of extensive multiple cropping.

Table 167

Nitrogen Fertilizer Consumption, Nutrient Content

	1960/61	1965/66	1970/71	1973/74	1974/75	1975/76	1976/77	1977/78	1978/79
OECD ¹									
United States	2,749	4,832	7,379	8,297	7,809	9,445	9,659	9,040	9,655
Canada	91	218	292	513	531	556	599	706	835
Japan	753	787	872	821	691	653	702	716	723
Spain	275	385	578	728	714	722	830	788	871
Turkey	25	72	243	430	283	482	591	666	774
European Community	2,450	3,580	4,940	5,570	5,410	5,830	6,090	6,390	6,890
France	565	871	1,453	1,833	1,555	1,708	1,815	1,832	1,978
Italy	323	462	594	672	672	724	700	817	1,043
United Kingdom	463	690	801	874	927	1,045	1,110	1,177	1,222
West Germany	618	874	1,131	1,101	1,201	1,228	1,323	1,325	1,354
Other Countries ¹									
India	296	541	1,487	1,829	1,766	1,909	2,352	2,813	2,986
Mexico	155	264	438	526	593	732	830	794	752
Pakistan	N.A.	69	252	342	363	444	511	554	684
Communist Countries									
USSR and Eastern Europe ²	1,600	3,910	7,520	9,580	10,400	11,500	11,300	11,700	12,200
USSR	769	2,282	4,605	6,224	6,696	7,339	7,252	7,522	7,658
Eastern Europe	832	1,630	2,920	3,360	3,690	4,140	4,030	4,140	4,530
Bulgaria	101	219	379	328	330	380	348	363	376
Czechoslovakia	143	263	413	449	507	532	582	601	628
East Germany	235	414	511	666	671	678	755	771	784
Hungary	75	180	391	493	551	536	522	582	570
Poland ¹	251	387	785	979	1,143	1,228	1,213	1,250	1,350
Romania	27	165	438	442	490	788	612	571	821
Far East									
China	614	1,830	3,923	5,688	5,309	6,116	5,240	7,739	9,255
North Korea	N.A.	115	270	330	395	414	N.A.	N.A.	N.A.
Other									
Albania	5	2	27	36	36	36	45	50	55
Yugoslavia	109	166	294	339	352	360	382	402	425

¹ Data are "fertilizer years"—in general, the year beginning 1 July.² Data indicate the quantity supplied to agriculture.

Table 168

Thousand Metric Tons of P₂O₅

Phosphate Fertilizer Consumption, Nutrient Content

	1960/61	1965/66	1970/71	1973/74	1974/75	1975/76	1976/77	1977/78	1978/79
OECD ¹									
United States	2,488	3,522	4,358	4,617	4,093	4,742	5,107	4,623	5,029
Australia	572	954	743	1,171	620	490	739	784	865
Canada	169	334	326	494	502	503	512	561	630
Japan	491	548	656	793	692	623	737	747	775
New Zealand	225	342	321	446	301	386	371	398	521
Spain	279	306	432	519	513	422	557	376	461
Turkey	12	69	176	280	227	389	522	614	654
European Community	2,740	3,440	4,350	4,660	3,820	3,790	4,070	4,300	4,610
France	877	1,259	1,809	2,168	1,711	1,664	1,796	1,840	1,950
Italy	379	453	518	472	368	490	483	651	812
United Kingdom	426	422	543	478	384	391	408	416	425
West Germany	652	819	913	917	877	780	887	873	906
Other Countries ¹									
Brazil	77	87	377	716	912	994	1,282	1,534	1,518
India	56	134	462	650	471	467	644	773	951

Table 168 (continued)

Thousand Metric Tons of P_2O_5

Phosphate Fertilizer Consumption, Nutrient Content

	1960	1965	1970	1973	1974	1975	1976	1977	1978
Communist Countries									
USSR and Eastern Europe	1,800	3,380	5,150	6,160	6,870	7,590	7,800	8,120	8,400
USSR ²	1,088	2,091	3,133	3,632	4,160	4,728	4,903	5,104	5,360
Eastern Europe ¹	716	1,290	2,020	2,530	2,710	2,860	2,900	3,010	3,040
Bulgaria	50	132	235	259	216	250	253	331	329
Czechoslovakia ⁴	150	268	325	385	414	456	459	436	465
East Germany	218	313	410	431	453	441	425	427	431
Hungary	66	125	217	322	362	429	371	405	410
Poland	180	324	595	782	887	947	933	948	940
Romania	52	127	235	350	375	338	454	466	460
Far East									
China ²	99	307	330	668	616	693	634	1,076	1,470
North Korea	N.A.	43	50	90	160	161	N.A.	N.A.	N.A.
Other									
Albania	2	5	18	21	24	25	22	21	24
Yugoslavia	71	151	182	193	167	197	188	205	220

¹Data are "fertilizer years"—in general, the year beginning 1 July.²Data are for soluble phosphate fertilizers and for ground phosphate rock used for direct application.³Data indicate the quantity supplied to agriculture.⁴Including phosphate rock.

Potassium Fertilizer Consumption, Nutrient Content

	1960/61	1965/66	1970/71	1973/74	1974/75	1975/76	1976/77	1977/78	1978/79
OECD ¹									
United States	1,967	2,922	3,839	4,601	4,039	4,726	5,285	5,013	5,639
Japan	600	613	610	685	722	571	691	661	723
Spain	95	92	206	274	266	258	308	247	288
European Community	2,850	3,330	3,990	4,470	3,730	3,640	3,970	4,140	4,330
France	750	970	1,389	1,826	1,390	1,314	1,494	1,558	1,690
Italy	104	168	225	267	231	276	252	327	384
United Kingdom	450	436	535	498	373	384	411	416	426
West Germany	1,006	1,190	1,185	1,163	1,170	1,099	1,195	1,183	1,178
Other Countries ¹									
Brazil	106	100	306	528	521	511	698	927	991
India	28	90	228	360	336	278	319	483	560
Communist Countries									
USSR and Eastern Europe	1,830	3,310	5,000	6,620	6,980	8,750	8,900	8,540	8,630
USSR ²	766	1,891	2,574	3,605	3,708	5,176	5,577	5,400	5,394
Eastern Europe ¹	1,060	1,420	2,420	3,010	3,280	3,570	3,330	3,140	3,240
Bulgaria	6	10	25	46	22	50	56	48	33
Czechoslovakia	217	363	489	572	628	696	634	597	656
East Germany	497	586	614	658	716	707	624	472	455
Hungary	27	53	229	387	423	553	495	524	555
Poland	313	396	1,036	1,286	1,431	1,496	1,440	1,408	1,400
Romania	3	12	28	62	56	71	78	91	137
Far East									
China	0	5	12	87	169	112	14	66	233
Other									
Albania	1	1	2	1	4	2	4	8	5
Yugoslavia	103	138	156	174	161	163	168	195	210

¹ Data are "fertilizer years"—in general, the year beginning 1 July.

² Data indicate the quantity supplied to agriculture.

Table 170

Railroad Freight ¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States ²	868.5	1,052.7	1,141.0	1,269.9	1,271.2	1,122.7	1,184.1	1,231.0	1,280.0	1,350.0
Canada ²	95.5	127.1	158.0	183.2	195.2	191.9	193.5	200.9	206.9	224.0
Japan	53.4	57.3	63.4	58.3	52.4	47.4	46.3	41.3	41.2	43.2
European Community	168	175	201	199	203	168	179	173	176	188
France	56.9	64.6	70.4	73.9	77.0	64.0	69.9	67.6	68.7	70.7
Italy ³	15.9	15.3	18.0	17.6	18.1	14.9	16.4	17.6	16.6	17.5
United Kingdom ⁴	30.5	25.2	26.8	25.5	22.0	20.9	20.6	20.1	20.0	19.5
West Germany	52.3	57.1	71.3	67.1	69.1	55.1	59.2	55.8	57.3	65.9
Other Countries										
India ⁵ ⁶	87.8	116.8	127.4	122.4	134.8	134.9	144.0	150.3	153.9	158.7
South Africa ⁷	30.8	42.7	57.2	56.4	56.0	61.9	65.1	69.3	80.2	N.A.
Communist Countries										
USSR and Eastern Europe	1,690	2,180	2,770	3,280	3,440	3,580	3,650	3,700	3,800	N.A.
USSR	1,504.3	1,950.2	2,494.7	2,958.0	3,097.7	3,236.5	3,295.4	3,330.9	3,429.4	3,353.0
Eastern Europe	183	230	278	318	338	347	355	364	372	N.A.
Bulgaria	7.0	10.8	13.9	16.6	17.3	17.3	17.1	17.1	17.1	17.7
Czechoslovakia	43.9	53.2	55.9	59.4	61.6	62.7	64.5	64.8	65.3	66.5
East Germany	32.9	38.9	41.5	46.8	49.2	49.7	51.8	52.2	53.0	N.A.
Hungary	13.3	17.3	19.8	21.3	23.1	23.5	23.2	24.2	24.5	24.7
Poland	66.5	81.0	99.3	116.4	125.2	129.2	130.9	135.4	138.1	135.4
Romania	19.8	31.0	48.0	57.1	61.6	64.8	67.6	70.0	73.7	76.4
Far East										
China	241.4	201.1	290.1	347.0	358.2	417.7	408.1	455.8	533.3	558.8
North Korea	9.1	10.5	14.3	16.2	20.2	24.3	26.4	28.6	30.6	N.A.

¹ Excluding urban systems; plantation, forest, mine, industrial plant, underground, funicular, and cable railroads; and short lines of little importance. Unless otherwise indicated, data are for the state or principal railroad system and include all goods and livestock carried during the calendar year and exclude service traffic, mail, and nonrevenue government stores. Freight traffic carried on more than one railroad line within a country is counted only once. Foreign trade freight traffic carried through more than one country, however, is counted in each country. Data for the United States include express and mail and are specifically for

revenue and nonrevenue freight traffic for a more realistic comparison with Soviet methods of reporting.

² Including secondary or private railroads operating as common carriers.

³ Excluding livestock.

⁴ Excluding data for Northern Ireland.

⁵ Including mail and passenger baggage. Data are for the year beginning 1 April of the stated year.

⁶ Including service traffic.

⁷ Including Namibia.

Railroad Freight ¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States ²	1,180.5	1,341.7	1,426.3	1,545.5	1,544.0	1,368.5	1,440.7	1,499.2	1,556.9	1,637.3
Canada ²	161.2	204.4	211.2	233.2	255.6	252.4	256.3	246.0	262.0	284.0
European Community										
France	227.0	238.7	260.0	265.0	274.0	228.0	235.0	222.0	222.0	228.0
United Kingdom ³	253.1	232.2	209.0	191.0	178.0	176.0	178.0	170.0	171.0	169.0
West Germany ^{2 4}	429.2	423.1	392.6	385.7	404.2	328.7	342.3	324.0	337.3	388.0
Communist Countries										
USSR and Eastern Europe	2,820	3,520	4,140	4,720	4,930	5,080	5,140	5,240	5,310	N.A.
USSR	1,884.9	2,415.3	2,896.0	3,346.4	3,496.8	3,621.1	3,654.8	3,723.4	3,776.4	3,688.0
Eastern Europe	931	1,110	1,240	1,380	1,430	1,460	1,480	1,510	1,540	N.A.
Bulgaria	38.4	56.0	68.2	75.7	78.0	78.8	76.6	75.2	75.0	77.7
Czechoslovakia	194.1	218.5	236.9	260.6	266.4	271.4	275.5	274.3	278.5	283.5
East Germany	237.8	260.4	262.9	280.6	286.3	289.0	295.7	298.6	300.0	N.A.
Hungary ⁵	96.0	114.8	117.4	122.6	129.8	131.7	131.5	134.5	134.9	134.0
Poland	286.9	341.3	382.3	431.5	453.0	464.2	465.2	481.1	489.4	480.0
Romania	77.5	114.4	171.3	206.0	218.1	228.3	238.0	247.9	259.6	N.A.
Far East										
China	492.0	408.0	587.0	699.0	721.0	840.0	820.0	915.0	1,070.0	1,120.0
North Korea	38.5	52.0	68.0	77.0	92.0	106.4	115.0	124.4	133.0	N.A.

¹ Excluding urban systems; plantation, forest, mine, industrial plant, underground, funicular, and cable railroads; and short lines of little importance. Unless otherwise indicated, data are for the state or principal railroad system and include all goods and live-stock carried during the calendar year and exclude service traffic, mail, and nonrevenue government stores. Freight traffic carried on more than one railroad line within a country is counted only once. Foreign trade freight traffic carried through more than one country, however, is counted in each country. Data for the

United States are in tons originated, thus giving a more realistic comparison with European methods of reporting.

² Including secondary or private railroads operating as common carriers.

³ Including data for Northern Ireland.

⁴ Including service traffic.

⁵ Including performance of railroads owned jointly by Hungary and Austria within Hungary.

Table 172

Motor Vehicle Freight

Billion Metric Ton-Kilometers

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States ¹	323.85	589.27	675.85	828.41	812.00	744.75	836.61	910.43	987.53	1,030.18
Japan	20.80	48.39	135.92	140.98	130.77	129.70	132.62	143.10	156.06	168.95
Communist Countries ²										
USSR and Eastern Europe	119	175	278	359	395	433	461	487	517	N.A.
USSR	98.52	143.08	220.83	283.77	312.50	337.90	355.10	373.30	396.00	418.00
Eastern Europe	20.0	31.6	57.0	75.1	83.0	94.7	106	114	121	N.A.
Bulgaria	2.04	3.82	7.90	10.08	10.78	12.39	15.00	15.50	16.16	16.08
Czechoslovakia	5.11	6.98	10.09	12.87	13.84	15.02	16.29	17.31	18.74	20.08
East Germany	5.00	7.21	12.23	14.30	15.23	16.69	18.66	20.05	21.23	N.A.
Hungary	N.A.	2.73	5.82	7.35	8.15	8.73	9.44	10.44	11.46	11.70
Poland	5.69	8.38	15.76	24.50	28.51	32.60	36.78	40.28	42.60	43.87
Romania	0.94	2.53	5.16	6.00	6.45	9.29	9.86	10.00	10.46	N.A.
Far East										
China	7.70	7.00	10.50	14.50	16.70	19.40	22.40	25.09	27.40	26.80

¹ Total traffic for all urban streets and rural roads.² Including traffic by state automotive transport organizations and by cooperatives; branch enterprises; and transport units of industries, plants, offices, and the like.

Motor Vehicle Freight ¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
Communist Countries										
USSR and Eastern Europe	9,920	12,900	17,800	22,300	24,100	25,900	26,900	27,800	29,000	N.A.
USSR	8,493	10,746	14,623	18,244	19,644	20,914	21,591	22,223	23,123	24,023
Eastern Europe	1,430	2,140	3,170	4,070	4,430	4,970	5,350	5,670	5,870	N.A.
Bulgaria	128	281	493	602	659	724	765	815	834	848
Czechoslovakia	428	578	703	897	919	997	1,048	1,083	1,130	1,171
East Germany	270	346	464	523	541	588	674	714	741	N.A.
Hungary	135	239	407	455	479	501	523	564	591	598
Poland	408	569	863	1,295	1,509	1,743	1,902	2,039	2,109	2,146
Romania	57	131	240	302	323	419	442	458	462	N.A.
Far East										
China	220	200	300	414	477	554	640	717	773	766

¹ Including traffic by state automotive transport organizations and by cooperatives; branch enterprises; and transport units of industries, plants, offices, and the like.

Table 174

Billion Metric Ton-Kilometers

Inland Water Freight

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States ¹	123.00	162.55	229.21	252.98	269.60	265.16	289.42	296.44	307.48	322.43
European Community										
France	10.77	12.51	14.18	13.79	13.74	11.90	12.16	11.27	11.59	N.A.
Netherlands	20.02	24.07	30.74	32.00	33.20	29.60	30.95	32.13	34.46	N.A.
West Germany	40.39	43.31	48.81	48.48	50.97	47.56	45.80	49.25	51.49	N.A.
Communist Countries										
USSR and Eastern Europe	107	143	186	201	225	234	235	244	258	N.A.
USSR	99.60	133.93	173.98	189.50	212.30	221.70	222.70	230.70	243.70	232.80
Eastern Europe	7.32	9.07	11.7	11.3	13.2	12.5	12.3	13.5	14.7	N.A.
Bulgaria	0.62	1.06	1.83	1.98	2.35	2.39	2.39	2.45	2.45	2.62
Czechoslovakia	1.96	2.17	2.43	2.47	2.81	2.58	2.57	2.71	3.20	3.36
East Germany	1.90	1.86	2.11	1.69	2.05	2.02	1.64	2.22	2.27	N.A.
Hungary	1.08	1.34	1.60	1.49	1.62	1.47	1.50	1.71	1.87	N.A.
Poland	0.90	1.41	2.36	1.94	2.35	1.95	2.35	2.34	2.65	2.04
Romania	0.86	1.22	1.35	1.73	2.01	2.08	1.86	2.05	2.29	N.A.

¹ Internal, intraport, and local water traffic, excluding Great Lakes traffic. For 1978, coastwise and foreign trade traffic within US waters together amounted to 116 billion metric ton-kilometers. In the same year, traffic on the Great Lakes amounted to 112 billion metric ton-kilometers of domestic trade and 61 billion metric ton-kilometers of US foreign trade.

Inland Water Freight

OECD	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
United States ¹	358.56	428.63	502.22	541.10	543.60	528.17	551.30	555.33	566.10	593.62
European Community										
France	68.05	89.76	110.35	108.88	109.30	94.58	93.78	91.20	91.56	N.A.
Netherlands	149.67	193.99	241.44	254.74	259.74	235.80	260.31	272.62	277.61	N.A.
West Germany	171.36	195.69	240.00	245.83	252.11	227.30	230.03	232.53	246.31	N.A.
Communist Countries										
USSR and Eastern Europe	235	298	395	459	497	524	536	576	609	N.A.
USSR	210.32	269.44	357.80	419.00	452.00	475.50	484.90	520.60	546.20	537.00
Eastern Europe	24.9	28.4	36.8	39.8	45.2	48.7	50.6	55.6	62.3	N.A.
Bulgaria	1.56	2.32	3.69	3.78	4.24	4.41	4.42	4.57	4.68	4.89
Czechoslovakia	3.53	4.06	4.46	4.81	4.92	5.65	5.87	6.42	7.88	8.79
East Germany	12.63	12.13	13.66	12.67	14.72	14.59	13.94	15.10	15.56	N.A.
Hungary	2.30	2.40	2.78	2.89	2.96	3.04	3.03	3.40	3.50	N.A.
Poland	2.95	4.68	8.84	10.25	12.47	14.89	16.62	19.14	22.42	23.15
Romania	1.91	2.86	3.40	5.43	5.88	6.10	6.74	6.97	8.29	N.A.

¹ Internal, intraport, and local water traffic, excluding Great Lakes traffic.

Table 176

Billion Metric Ton-Kilometers

Ocean Freight ¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
Communist Countries										
USSR and Eastern Europe	189	503	922	1,070	1,140	1,150	1,220	1,230	1,320	N.A.
USSR ²	131.5	388.8	656.1	750.7	778.1	736.2	762.1	772.6	827.6	842.3
Eastern Europe	57.7	114	266	324	358	410	455	459	492	N.A.
Bulgaria ³	2.5	9.1	38.9	39.1	47.2	42.2	41.9	43.3	49.4	60.8
Czechoslovakia	7.5	8.3	10.5	12.1	14.6	12.0	12.4	13.9	14.2	N.A.
East Germany ³	10.5	30.2	69.7	78.5	76.6	79.7	82.7	70.4	62.8	N.A.
Hungary ⁴	1.3	1.7	2.7	5.1	4.7	4.0	4.2	6.0	6.6	6.8
Poland ³ ⁵	34.8	56.4	106.6	148.9	168.4	206.1	250.3	262.7	298.9	250.9
Romania	1.1	8.4	37.5	40.1	46.5	66.3	63.5	62.3	60.1	N.A.

¹ Unless otherwise indicated, data are for international shipping and include the performance of ships of less than 1,000 gross register tons.

² Including Caspian Sea, Danube River, and domestic coastal and intercoastal traffic.

³ Including coastal traffic.

⁴ Including Danube River traffic.

⁵ Possibly excluding the performance of some ships flying the Polish flag but under control of the Chinese-Polish Shipbrokers Corporation.

Table 177

Billion Passenger-Kilometers

Air Passengers

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States ¹	62.5	110.5	212.0	260.6	262.2	262.0	288.1	311.0	365.3	421.6
Canada	4.3	7.6	15.4	21.7	24.6	25.0	26.0	27.3	29.5	34.9
Japan	1.1	4.6	15.0	26.0	27.8	30.1	32.3	39.0	43.9	50.1
European Community										
France	5.2	7.5	13.6	19.7	21.7	23.3	25.2	27.3	30.2	32.8
United Kingdom	7.3	10.7	19.0	28.3	27.8	30.2	34.0	35.6	45.2	53.8
Communist Countries										
USSR	12.1	38.1	78.2	98.8	108.0	122.6	130.8	127.5	140.1	151.0

¹ Revenue passenger-kilometers flown on scheduled service of certificated route air carriers.

Table 178

Air Freight ¹

Million Metric Ton-Kilometers

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States ²	1,377	3,363	7,277	8,811	8,938	8,603	9,067	9,598	10,202	10,240
Canada	66	156	425	570	614	628	682	671	730	800
Japan	24	114	426	744 ³	799 ³	920 ³	1,103 ³	1,230 ⁴	1,440 ⁴	1,720 ⁴
European Community										
France	152	232	542	836	947	1,086	1,380	1,664	1,810	2,031
Netherlands	117	212	393	585	636	617	663	755	823	913
United Kingdom	181	370	617	907	977 ⁵	933 ⁵	1,015 ⁵	1,148 ⁵	1,310 ⁵	1,390 ⁵
West Germany	41	157	523	874	991	974	1,098	1,269	1,411	1,586
Communist Countries										
USSR	563	1,338	1,877	2,370	2,470	2,590	2,710	2,800	2,860	2,910

¹ Express, freight, and mail traffic.² Revenue ton-kilometers flown on scheduled service of certificated route air carriers.³ Japan Air Lines data only.⁴ Japan Air Lines and Japan-Asia Airways.⁵ Excluding airlines based in the UK territories and dependencies.

Table 179

Units

Civil Aircraft Inventory ¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
United States ²										
Jet	202	725	2,136	2,145	2,078	2,114	2,139	2,168	2,344	2,486
Turboprop	230	312	374	304	266	260	245	234	302	566
USSR ³										
Jet	191	227	430	784	977	1,079	1,194	1,369	1,570	1,714
Turboprop	174	555	1,238	1,363	1,434	1,477	1,512	1,567	1,593	1,610

¹ Data exclude light aircraft. No attempt has been made to standardize comparisons of the US and Soviet aircraft inventories in terms of capacity for passenger-cargo carrying and/or range capability.

² Including all aircraft that perform commercial for-hire operations.

³ Data basically represent the inventory of Aeroflot—the Soviet civil airline.

Table 180

Billion Metric Ton-Kilometers

Petroleum Pipelines

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States	333.8	447.3	629.2	740.2	738.8	740.2	763.6	797.1	855.5	883.3
Communist Countries										
USSR and Eastern Europe	N.A.	155	300	465	560	693	829	959	1,090	N.A.
USSR	51.2	146.7	281.7	439.4	533.4	665.9	794.6	922.4	1,049.1	1,140.7
Eastern Europe	N.A.	7.9	18.1	25.7	26.3	26.7	34.3	36.9	38.9	N.A.
Czechoslovakia	N.A.	3.2	6.4	8.0	6.8	4.4	8.7	9.0	9.4	N.A.
East Germany	0	0.1	2.2	3.5	3.8	4.3	4.3	4.6	4.7	N.A.
Hungary	0.1	0.3	0.7	1.8	2.1	2.5	2.8	2.9	3.1	3.4
Poland	N.A.	3.2	7.0	9.9	11.0	12.7	14.7	16.3	16.9	16.8
Romania	1.0	1.1	1.8	2.5	2.6	2.8	3.8	4.1	4.8	N.A.

Table 181

Million Metric Tons Carried

Petroleum Pipelines

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States ¹	414.7	554.9	784.6	882.7	862.5	862.9	864.2	925.3	963.3	982.6
Communist Countries										
USSR and Eastern Europe	N.A.	254	402	508	548	604	652	685	726	N.A.
USSR	129.9	225.7	339.9	421.4	457.2	498.3	531.7	558.9	589.0	609.0
Eastern Europe	N.A.	28.0	61.8	86.3	90.6	106	120	126	136	N.A.
Czechoslovakia	N.A.	7.0	13.4	15.7	14.7	14.9	17.2	17.7	18.6	N.A.
East Germany	0	3.8	15.4	24.5	26.8	32.1	35.3	38.1	40.2	N.A.
Hungary	1.2	3.7	6.3	9.4	10.2	13.8	15.1	13.4	15.4	17.3
Poland	N.A.	6.1	15.4	23.6	25.7	30.5	35.4	38.7	41.1	40.7
Romania	5.6	7.4	11.3	13.1	13.2	14.5	17.3	18.3	21.2	N.A.

¹ Data are for tons originated, thus giving a more realistic comparison with the Communist countries.

Table 182

Thousand Units

Mainline Locomotive Inventory ¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978
OECD									
United States ²	31.18	30.06	29.12	29.93	30.22	30.20	29.64	29.70	27.02
Austria	1.48	1.40	1.20	1.17	1.20	1.19	1.21	1.21	N.A.
Spain	3.64	3.38	1.70	1.34	1.24	1.14	1.17	1.19	1.20
Sweden	1.88	1.66	1.58	1.46	1.44	1.42	1.41	1.40	1.38
Switzerland	1.10	1.26	1.33	1.40	1.42	1.42	1.42	1.43	1.44
European Community	43.0	32.4	24.6	23.8	23.9	23.6	23.1	23.0	23.3
France	7.96	7.36	6.07	5.86	5.90	5.98	5.96	6.00	6.08
Italy	5.28	4.47	3.58	3.59	3.67	3.63	3.44	3.49	3.70
United Kingdom	16.05	8.08	4.45	3.97	3.97	3.86	3.73	3.69	3.69
West Germany	10.44	9.59	8.05	7.90	7.87	7.65	7.51	7.42	7.34
Communist Countries									
USSR and Eastern Europe	55.8	49.5	48.9	50.1	56.9	59.5	62.1	64.4	N.A.
USSR	34.00	26.90	28.90	31.00	35.36	37.13	38.99	40.76	42.59
Eastern Europe	21.8	22.6	20.0	19.1	21.6	22.4	23.1	23.6	N.A.
Bulgaria	0.64	0.73	0.68	0.59	0.60	0.64	0.69	0.73	0.75
Czechoslovakia	5.23	5.20	4.60	4.82	5.04	4.98	4.87	4.78	4.68
East Germany	6.00	6.00	5.00	4.54	5.56	5.92	5.91	5.89	5.90
Hungary	2.46	2.60	2.00	1.40	1.52	1.92	2.25	2.29	2.32
Poland	5.80	6.33	6.25	6.78	6.97	7.04	7.16	7.34	7.18
Romania	1.72	1.78	1.50	1.00	1.90	1.88	2.26	2.62	N.A.
Far East									
China	5.90	5.40	6.40	7.50	7.90	8.30	8.70	8.80	9.20
North Korea	0.35	0.40	0.49	0.57	0.61	0.67	0.74	N.A.	N.A.

¹ Unless otherwise indicated, data are for the state or principal railroad system and include diesel, diesel-electric, steam, and electric locomotives. Data are as of the end of the year.

² Data are for secondary or private railroads operating as common carriers and include gas turbine locomotives.

Railroad Freight Car Inventory ¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978
OECD									
United States ² ³	1,945.7	1,806.2	1,803.7	1,743.9	1,752.4	1,755.5	1,730.5	1,697.4	1,683.4
European Community									
France	362.6	362.3	302.4	298.3	293.9	283.9	273.9	265.3	257.0
United Kingdom ³ ⁴	956.0	605.6	383.9	267.0	260.0	239.7	205.4	185.5	168.8
West Germany	309.6	329.5	321.0	332.8	336.5	335.1	337.9	338.3	333.1
Communist Countries									
USSR and Eastern Europe									
USSR	949.0	1,030.0	1,140.0	1,260.0	1,338.4	1,402.6	1,484.4	1,557.7	1,631.9
Eastern Europe									
Bulgaria	22.0	33.0	37.8	41.3	42.4	43.0	45.0	46.5	N.A.
Czechoslovakia	129.3	136.1	135.8	137.0	134.0	136.0	138.0	141.6	146.9
East Germany	154.3	152.0	150.0	153.0	159.0	141.8	142.7	140.0	148.0
Hungary	62.0	73.4	71.4	71.0	70.5	88.9	102.3	120.0	125.0
Poland	249.0	263.9	274.3	288.7	294.0	305.0	306.0	307.0	N.A.
Romania	55.5	68.6	86.0	95.0	98.0	95.0	109.3	121.1	N.A.
Far East									
China ⁵	132.0	143.0	175.0	209.0	222.0	237.0	251.0	267.0	269.3
North Korea ⁵	10.4	15.2	23.8	34.3	39.4	45.3	51.6	N.A.	N.A.

¹ Units of two, four, or more axles. Unless otherwise indicated, data refer to both state and private ownership of cars used on the state or principal railroad system. Data are as of the end of the year. Because of the lack of comparability in data, totals for the OECD and the Communist countries are omitted.

² Units of four or more axles.

³ Including secondary or private railroads operating as common carriers.

⁴ Excluding privately owned tank cars and including data for Northern Ireland.

⁵ The majority are four-axle units.

Table 184

Thousand Units

Civilian Truck Inventory ¹

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States ²	11,329	14,035	17,843	22,204	23,502	24,612	26,583	28,312	30,130	32,105
European Community										
France ³	1,598	2,134	2,678	1,920	2,030	2,078	2,201	2,336	2,453	N.A.
United Kingdom ⁴	1,442	1,710	1,621	1,726	1,768	1,677	1,762	1,700	1,715	N.A.
West Germany ⁵	688	975	1,141	1,283	1,288	1,281	1,292	1,326	1,368	N.A.
Communist Countries										
USSR and Eastern Europe	3,670	4,620	5,730	6,600	7,480	N.A.	N.A.	N.A.	N.A.	N.A.
USSR	3,140	3,900	4,700	5,400	6,200	7,000	7,770	8,400	9,120	10,000
Eastern Europe	529	715	1,030	1,200	1,280	N.A.	N.A.	N.A.	N.A.	N.A.
Bulgaria	68	95	115	130	130	N.A.	N.A.	N.A.	N.A.	N.A.
Czechoslovakia	117	140	198	226	241	261	275	290	309	N.A.
East Germany	132	166	229	270	282	301	313	333	327	N.A.
Hungary	29	43	74	87	96	109	112	122	129	N.A.
Poland	130	189	274	346	386	425	467	510	534	580
Romania	53	82	139	146	148	150	N.A.	N.A.	N.A.	N.A.
Far East										
China ⁶	154	230	434	677	793	914	1,033	1,142	1,278	1,445
North Korea ⁶	11	30	54	85	99	116	135	152	170	191

¹ Unless otherwise indicated, data are as of the end of the year and include wheeled tractors for road haulage and exclude military trucks of all types.

² Data are for the number of registrations of privately owned trucks and include duplications when trucks are registered in more than one state.

³ Beginning in 1973, only trucks less than 10 years old are being counted.

⁴ Including data for Northern Ireland. Data are as of 1 October of the stated year.

⁵ As of 1 July of the stated year.

⁶ Including both military and civilian trucks.

Table 185

Fishing Fleet Inventory ¹

	1970		1975		1976		1977		1978		1979	
	Number	Thousand GRT ²	Number	Thousand GRT	Number	Thousand GRT	Number	Thousand GRT	Number	Thousand GRT	Number	Thousand GRT
OECD												
United States	201	74	1,743	398	1,976	424	1,928	435	1,974	428	2,190	464
Japan	2,386	978	3,149	1,217	3,076	1,191	3,014	1,159	2,757	926	2,796	1,081
Norway	635	182	621	211	639	218	652	222	678	221	724	243
Spain	1,364	433	1,744	550	1,847	594	1,801	584	1,808	586	1,797	570
European Community	2,140	760	2,460	899	2,420	850	2,380	801	2,250	749	2,264	737
France	660	195	620	200	610	208	564	196	543	178	521	171
Netherlands	284	57	392	93	390	89	380	86	377	87	371	89
United Kingdom	577	235	618	236	630	231	557	198	528	182	507	170
West Germany	182	147	147	145	152	142	148	138	152	134	146	128
Communist Countries												
USSR and Eastern Europe	3,430	4,440	4,720	6,560	4,910	6,900	5,100	7,170	4,960	6,990	5,060	7,150
USSR	3,055	3,997	4,219	5,937	4,380	6,222	4,537	6,440	4,399	6,406	4,460	6,345
Eastern Europe	373	445	498	626	532	682	563	728	561	580	598	808
Bulgaria	17	55	34	94	36	109	40	110	34	78	40	110
East Germany	172	136	164	147	162	146	161	147	161	112	171	173
Poland	176	231	270	282	303	320	328	353	331	286	344	355
Romania	8	23	30	103	31	107	34	118	35	104	43	170
Other												
Cuba	167	66	181	81	188	112	195	134	201	155	203	167
Yugoslavia	3	1	3	1	2	Negl.	5	3	5	3	6	3

¹ Data are as of midyear.² Gross register tons; excluding ships under 100 GRT.

Table 186

Merchant Fleet Inventory ¹

	1965		1970		1975		1977		1978		1979	
	Number	Thousand DWT	Number	Thousand DWT	Number	Thousand DWT	Number	Thousand DWT	Number	Thousand DWT	Number	Thousand DWT
World Total	17,825	214,069	19,503	325,149	22,353	556,388	24,098	628,752	24,036	633,368	24,155	641,258
Non-Communist Countries	16,243	202,277	17,020	303,720	19,222	523,247	20,597	589,046	20,378	588,843	20,456	595,419
OECD	12,440	148,453	12,164	208,962	11,286	316,611	11,880	335,566	11,288	325,160	11,126	320,041
Non-European Community	7,489	90,974	7,486	128,015	7,145	196,171	7,747	214,292	7,449	207,851	7,436	206,559
United States ²	2,376	28,283	1,579	21,346	857	17,694	591	17,369	590	19,492	582	19,600
Greece ³	916	10,388	1,195	18,214	1,804	37,638	2,564	53,119	2,750	59,453	2,808	63,600
Japan	1,333	16,450	2,109	39,142	2,051	63,238	2,100	61,725	1,890	55,871	1,849	57,405
Norway	1,365	23,538	1,173	32,374	991	47,796	874	47,968	673	39,934	626	38,272
Sweden	443	5,643	366	6,898	324	12,723	319	11,563	266	8,831	256	6,911
Other	1,056	6,672	1,064	10,041	1,118	17,082	1,299	22,548	1,280	24,270	1,315	20,771
European Community	4,951	57,479	4,678	80,947	4,141	120,440	4,133	121,274	3,839	117,309	3,690	113,482
France	542	6,406	457	9,007	444	17,690	430	19,992	394	20,326	364	20,770
Italy	588	6,917	625	9,803	633	16,081	668	17,607	679	18,815	672	18,335
United Kingdom	2,052	26,385	1,772	37,065	1,576	54,913	1,546	53,877	1,407	49,922	1,356	46,168
West Germany	843	7,184	993	11,697	611	13,453	619	14,603	557	12,786	495	11,873
Other	926	10,587	831	13,375	877	18,303	870	15,195	802	15,460	803	16,316
Non-OECD Countries	3,803	53,824	4,856	94,758	7,936	206,636	8,717	253,480	9,090	263,683	9,330	275,378
Flag of Convenience	1,898	38,341	2,686	72,065	4,675	159,568	5,070	189,830	5,056	191,653	4,937	192,744
Cyprus	21	207	217	1,933	573	4,762	522	3,463	484	3,252	432	2,826
Liberia	1,313	30,906	1,840	60,992	2,546	132,694	2,473	155,030	2,369	154,745	2,271	155,342
Panama	564	7,228	629	9,140	1,556	22,112	2,075	31,337	2,203	33,656	2,234	34,576
Other Countries	1,905	15,483	2,170	22,693	3,261	47,068	3,647	63,650	4,034	72,030	4,393	82,634
Brazil	227	1,590	201	2,017	260	4,546	279	5,525	285	6,128	258	6,416
India	210	2,266	242	3,709	308	6,943	361	8,897	366	9,178	368	9,279
Malaysia/Singapore	8	19	99	643	429	8,118	637	12,334	714	12,584	699	13,038
Other	1,460	11,608	1,628	16,324	2,264	27,461	2,370	36,894	2,669	44,140	3,068	53,901
Communist Countries	1,582	11,792	2,483	21,429	3,131	33,141	3,501	39,706	3,658	44,522	3,699	45,839
USSR and Eastern Europe	1,171	9,462	1,939	16,845	2,290	23,337	2,438	27,048	2,502	29,232	2,502	29,890
USSR ⁴	985	7,961	1,395	11,921	1,622	15,044	1,703	17,173	1,737	18,391	1,718	18,551
Eastern Europe	186	1,501	544	4,924	668	8,293	735	9,875	765	10,841	784	11,339
Bulgaria ⁵	60	548	106	948	110	1,228	106	1,342	105	1,545	106	1,643
Czechoslovakia ⁶	9	105	12	138	14	221	14	222	17	230	17	230
East Germany	60	550	130	1,310	146	1,729	161	1,829	151	1,822	154	1,878
Hungary	17	23	16	28	16	67	20	92	23	111	22	105

Poland ⁷	10	105	230	2,000	289	3,866	307	4,606	305	4,690	302	4,701
Romania	30	170	50	500	93	1,182	127	1,784	164	2,443	183	2,782
Far East	192	1,083	280	1,984	537	6,325	724	8,542	819	10,839	859	11,442
China	190	1,075	269	1,944	495	6,082	660	8,200	760	10,400	796	10,933
Other ⁸	2	8	11	40	42	243	64	342	59	439	63	509
Other	219	1,247	264	2,600	304	3,479	339	4,116	337	4,451	338	4,507
Albania ⁹	8	44	11	72	11	72	11	73	10	74	10	74
Cuba	31	203	53	428	64	581	81	729	76	814	73	801
Yugoslavia	180	1,000	200	2,100	229	2,826	247	3,314	251	3,563	255	3,632

¹ Ships of 1,000 gross register tons (GRT) or more. Data are as of the end of the year. Data for the non-Communist countries include all combination passenger and cargo ships, whereas, unless otherwise indicated, those for the Communist countries exclude passenger ships that have small cargo capacities.

² Excluding ships operating only on the Great Lakes and US-owned ships flying the Liberian, Panamanian, and other "flags of convenience."

³ Excluding Greek-owned ships flying the Liberian, Panamanian, and other "flags of convenience."

⁴ Excluding the Caspian Sea Fleet passenger ships and vessels subordinate to the Ministry of the Fishing Industry.

⁵ Before August 1968, a few additional Bulgarian-owned ships were operated under the flags of non-Communist countries.

⁶ Until March 1967, an undetermined number of Czechoslovak-flag ships were jointly owned with China.

⁷ Including some ships flying the Polish flag but under the control of the Chinese-Polish Shipbrokers Corporation. At the end of 1979, there were 9 of these ships.

⁸ Including North Korean, Vietnamese, and Cambodian vessels.

⁹ Data include a number of ships jointly owned by the Chinese-Albanian Joint Stock Shipping Company.

Table 187

Tanker Fleet Inventory ¹

	1965		1970		1975		1977		1978		1979	
	Number	Thousand DWT	Number	Thousand DWT	Number	Thousand DWT	Number	Thousand DWT	Number	Thousand DWT	Number	Thousand DWT
World Total	3,533	89,576	4,119	152,450	5,177	301,667	5,503	389,456	5,363	381,527	5,342	382,107
Non-Communist Countries	3,290	85,629	3,759	146,555	4,736	292,241	5,000	377,910	4,839	369,175	4,773	368,657
OECD	2,350	58,883	2,528	96,952	2,917	173,746	2,997	209,679	2,842	200,641	2,753	196,714
Non-European Community	1,403	35,335	1,544	56,404	1,814	103,736	1,945	131,082	1,843	124,270	1,782	122,956
United States ²	341	7,561	294	7,739	267	9,711	261	11,950	271	14,253	274	15,108
Greece ³	129	2,970	216	7,714	345	15,557	399	22,444	386	24,162	403	26,817
Japan	236	6,965	368	16,036	531	33,950	549	38,214	531	32,902	534	34,347
Norway	467	13,599	363	17,351	332	28,467	359	36,257	302	31,743	280	30,050
Sweden	73	2,098	80	2,887	79	6,524	90	8,392	71	6,368	64	4,354
Other	157	2,142	223	4,677	260	9,527	287	13,825	282	14,837	227	12,280
European Community	947	23,548	984	40,548	1,103	70,010	1,052	78,597	999	76,371	971	73,758
France	157	3,682	135	5,799	154	13,190	146	16,099	130	16,318	124	16,885
Italy	143	2,872	198	4,585	236	7,953	254	12,355	263	13,322	254	12,775
United Kingdom	441	11,562	434	20,863	459	32,869	430	35,793	408	33,541	407	30,893
West Germany	48	1,295	59	2,956	83	5,627	88	6,984	74	5,717	61	5,235
Other	158	4,137	158	6,345	171	10,371	134	7,366	124	7,473	125	7,970
Non-OECD Countries	940	26,746	1,231	49,603	1,819	118,495	2,003	168,231	1,997	168,534	2,020	171,943
Flag of Convenience	686	23,310	916	42,708	1,299	100,554	1,325	134,144	1,246	132,107	1,262	134,960
Cyprus	1	13	13	214	47	860	29	336	23	385	25	263
Liberia	534	19,018	730	36,802	1,014	89,470	1,040	119,984	969	118,228	952	120,643
Panama	151	4,279	173	5,692	238	10,224	256	13,824	254	13,494	285	14,054
OPEC	38	571	42	1,315	82	4,245	154	11,460	178	12,247	188	12,154
Iraq	0	0	0	0	10	380	20	1,995	21	2,145	21	2,153
Kuwait	3	161	6	787	7	1,150	13	2,360	18	2,500	20	2,749
Libya	0	0	0	0	5	410	15	1,545	14	1,500	14	1,506
Venezuela	14	284	16	372	15	440	14	435	19	585	14	464
Other	21	126	20	156	45	1,865	92	5,125	106	5,517	119	5,282
Other Non-OPEC	216	2,865	273	5,580	438	13,696	524	22,627	573	24,180	570	24,829
Brazil	46	604	45	810	53	944	69	3,439	69	3,891	71	4,592
India	8	217	13	510	25	1,510	46	3,276	46	3,494	47	3,443
Other	162	2,044	215	4,260	360	11,242	409	15,912	458	16,795	452	16,744
Communist Countries	243	3,947	360	5,895	441	9,426	503	11,546	524	12,352	569	13,450
USSR and Eastern Europe	212	3,562	301	5,108	331	6,975	363	8,754	368	9,278	409	10,284
USSR ⁴	184	3,125	265	4,389	280	4,796	309	6,173	315	6,591	355	7,482

Eastern Europe	28	437	36	719	51	2,179	54	2,581	53	2,687	54	2,802
Bulgaria	11	160	18	267	20	472	19	567	19	567	18	549
East Germany	10	144	9	288	16	612	14	582	12	520	13	503
Poland	5	95	5	95	8	665	14	998	14	1,014	14	1,014
Romania	2	38	4	69	7	430	7	434	8	586	9	736
Far East	19	135	41	381	90	1,998	115	2,337	131	2,604	137	2,700
China	19	135	38	375	80	1,916	105	2,250	120	2,500	126	2,594
Other ¹	0	0	3	6	10	82	10	87	11	104	11	106
Other	12	250	18	406	20	453	25	455	25	470	23	466
Cuba	2	5	3	26	6	75	12	97	12	112	11	111
Yugoslavia	10	245	15	380	14	378	13	358	13	358	12	355

¹ Tankers and whaling tankers of 1,000 gross registered tons (GRT) or more. Data are as of the end of the year and include specialized oil and chemical tankers and some combination carriers (oil/dry bulk carriers). For the purposes of this table, the tonnage is converted to deadweight (DWT).

² Excluding ships operating only on the Great Lakes and US-owned ships flying the Liberian, Panamanian, and other "flags of convenience."

³ Excluding Greek-owned ships flying the Liberian, Panamanian, and other "flags of convenience."

⁴ Excluding the Caspian Sea Fleet and tankers assigned to the Ministry of the Fishing Industry.

⁵ Including North Korean, Vietnamese, and Cambodian vessels.

Yokohama	270		Bonaire	500
Nagoya	255		Aruba	500
Chiba	250	Philippines	Batangas	300
Oita	250	Singapore	Singapore	250
Shimizu	250	South Africa	Durban	280
Shimotsu	250	South Korea	Ulsan	250
Ube	250	Taiwan	Kaohsiung	250
Mizushima	230	Trinidad	Point-a-Pierre	270
Himeji	210		Galeota Point	250

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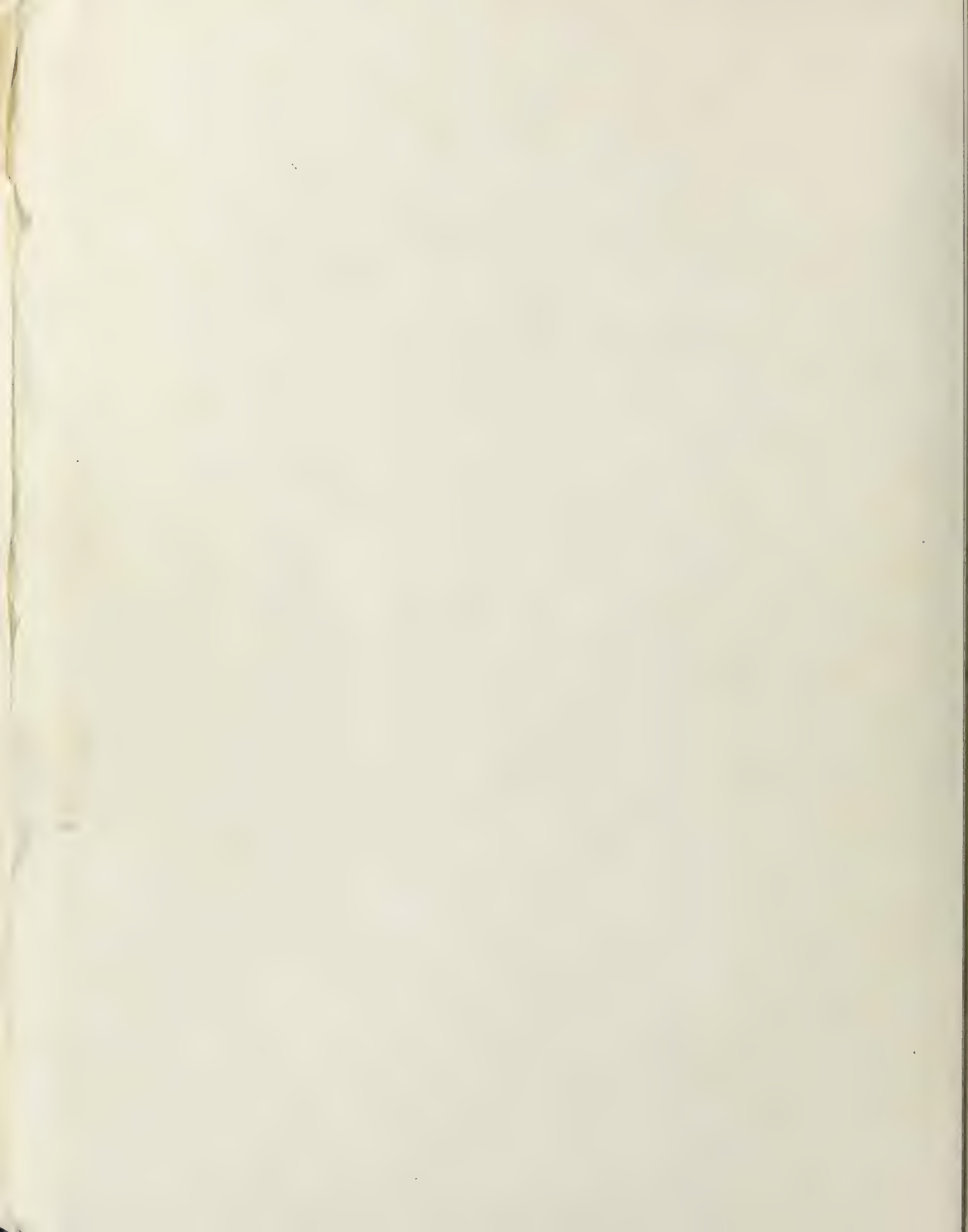
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To Convert From	To	Multiply By	To Convert From	To	Multiply By
Acres	Hectares	0.4046856	Meters, cubic	Tons, register	0.353147
Acres	Kilometers, square	0.004046856	Miles, nautical	Kilometers	1.852
Acres	Meters, square	4046.856	Miles, statute	Centimeters	160934.4
Centimeters	Meters	0.01	Miles, statute	Meters	1609.344
Centimeters, square	Meters, square	0.0001	Miles, statute	Kilometers	1.609344
Degrees, Fahrenheit	Degrees, Celsius	subtract 32 and multiply by 5/9	Miles, square	Hectares	258.9998
Feet	Centimeters	30.48	Ounces, avoirdupois	Kilometers, square	2.589998
Feet	Meters	0.3048	Ounces, avoirdupois	Grams	28.349523
Feet	Kilometers	0.0003048	Ounces, troy	Kilograms	0.028349523
Feet, cubic	Liters	28.316847	Ounces, troy	Pounds, troy	0.083333
Feet, cubic	Meters, cubic	0.028316847	Pints, liquid	Grams	31.10348
Feet, square	Centimeters, square	929.0304	Pints, liquid	Milliliters	473.176473
Feet, square	Meters, square	0.09290304	Pounds, avoirdupois	Liters	0.473176473
Gallons, US liquid	Liters	3.785412	Pounds, avoirdupois	Grams	453.59237
Gallons, US liquid	Meters, cubic	0.003785412	Pounds, avoirdupois	Kilograms	0.45359237
Grams	Ounces, troy	0.032151	Pounds, avoirdupois	Quintals	0.00453592
Grams	Pounds, troy	0.002679	Pounds, avoirdupois	Tons, metric	0.000453592
Hectares	Kilometers, square	0.01	Pounds, troy	Ounces, troy	12
Hectares	Meters, square	10,000	Pounds, troy	Grams	373.241722
Inches	Centimeters	2.54	Quarts, dry	Liters	1.101221
Inches	Meters	0.0254	Quarts, dry	Dekaliters	0.1101221
Inches, cubic	Milliliters	16.387064	Quarts, liquid	Milliliters	946.352946
Inches, cubic	Liters	0.016387064	Quarts, liquid	Liters	0.946352946
Inches, cubic	Meters, cubic	0.000016387064	Quintals	Tons, metric	0.1
Inches, square	Centimeters, square	6.4516	Tons, long	Kilograms	1016.047
Inches, square	Meters, square	0.00064516	Tons, long	Tons, metric	1.016047
Kilograms	Ounces, troy	32.15075	Tons, metric	Quintals	10
Kilograms	Pounds, troy	2.679229	Ton-miles, long	Ton-kilometers, metric	1.635169
Kilograms	Tons, metric	0.001	Ton-miles, short	Ton-kilometers, metric	1.459972
Kilometers, square	Hectares	100	Tons, register	Meters, cubic	2.831685
Liters	Milliliters	1000	Tons, short	Kilograms	907.185
Liters	Meters, cubic	0.001	Tons, short	Tons, metric	0.907185
Meters	Millimeters	1000	Yards	Centimeters	91.44
Meters	Centimeters	100	Yards	Meters	0.9144
Meters	Kilometers	0.001	Yards, cubic	Liters	764.5549
Meters, cubic	Liters	1000	Yards, cubic	Meters, cubic	0.7645549
			Yards, square	Meters, square	0.836127

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Handbook of Economic Statistics 1981

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Purpose and Scope

The *Handbook of Economic Statistics, 1981*, provides statistics for selected non-Communist countries and all the Communist countries.

In general, the data in the *Handbook* are for 1960, 1965, 1970, and 1975-80. Data for the Communist and non-Communist countries have been adjusted, when necessary, to achieve comparability and therefore may differ from data presented in the original sources. Footnotes have been used liberally to give definitions, exceptions, and methodology. The base year for average annual rates of growth is the year prior to the stated period.

Rounding of the Totals

The totals have been rounded, with some exceptions, to three significant digits. Because of rounding, components may not add to the totals shown. Totals are not presented if missing data are believed to represent a significant part of the total. In general, zeros appearing after the last nonzero number following the decimal point are not significant but are used merely for consistency in presentation.

Symbols

The abbreviation *N.A.* (*not available*) is used when information about the existence of the data or the magnitude of the data is not available, and the abbreviation *Negl.* (*negligible*) is used when the magnitude of the data is less than one-half of the final unit employed for each table.

Sources

The data given for the most recent years are frequently preliminary and subject to revision. The data for the Communist countries are official data from the country cited, CIA estimates, or estimates made by other organizations. The data for the non-Communist countries are from publications of the United Nations, the Organization for Economic Cooperation and Development (OECD), publications of US Government agencies, unclassified publications of other international organizations or individual countries, or are estimates of this Office.

Terms

Unless otherwise indicated, the term *Communist Countries* includes the USSR, the countries of Eastern Europe, China, Albania, Cuba, Kampuchea, Laos, North Korea, Vietnam, and Yugoslavia; the term *Eastern Europe* includes Bulgaria, Czechoslovakia, East Germany, Hungary, Poland, and Romania. The term *European Community* includes Belgium, Denmark, France, Ireland, Italy, Luxembourg, the Netherlands, the United Kingdom, and West Germany. Greece has not been included in the data for the EC in this edition but will be included in future editions. The term *developed countries* includes the European Community, Austria, Finland, Greece, Iceland, Israel, Liechtenstein, Portugal, Malta, Norway, Spain, Sweden, Switzerland, Turkey, Australia, Canada, Japan, New Zealand, the Republic of South Africa, and the United States. The term *Organization for Economic Cooperation and Development* (*OECD*) includes all the developed countries, except Liechtenstein, Malta, Israel, and the Republic of South Africa.

The Big Six includes Canada, France, Italy, Japan, the United Kingdom, and West Germany. The Big Seven includes the United States and the Big Six.

Except for economic aid data, the term *less developed countries* includes the following: (1) all independent countries of Africa except the Republic of South Africa, (2) all independent countries of East Asia except Japan, (3) all independent countries in Latin America except Cuba, and (4) all independent countries in the Middle East and South Asia, except Israel and Turkey. Except for Cyprus, no country in either eastern or western Europe is in the LDC grouping. Except for Hong Kong, no territory that is a possession, trust, or protectorate is included in the LDC grouping.

The definition of *less developed countries* for economic aid conforms to that used by the Development Assistance Committee (DAC) of the OECD and other aid agencies and includes the following non-Communist countries: (1) all independent countries of Africa except the Republic of South Africa, (2) all countries of East Asia except Hong Kong and Japan, (3) Malta, Portugal, and Spain in Europe, (4) all independent countries in Latin America, except Cuba, and (5) all countries in the Middle East and South Asia.

Totals for the country groupings may or may not include all of the countries listed above, depending on the commodity or services listed.

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Gross National Product Per Capita, 1980 (in 1980 US \$)

More than \$10,000	\$3,001 to \$5,000	\$601 to \$800	\$201 to \$400	\$401 to \$600	Less than \$201
Belgium Brunei Canada Denmark Finland France Iceland Kuwait Liechtenstein Luxembourg Nauru Netherlands Norway Qatar Saudi Arabia Sweden Switzerland United Arab Emirates United States West Germany	Venezuela Yugoslavia Algeria Andorra Antigua Bahamas Barbados Belize Chile China (Taiwan) Colombia Cook Islands Costa Rica Cuba Dominican Republic Ecuador Falkland Islands Fiji French Guiana Guatemala Honduras Iran Iraq Ivory Coast Jamaica Jordan Macau Malaysia Malta Mexico Namibia Panama Paraguay Peru Portugal South Africa South Korea Suriname Syria Tunisia Turkey	\$1,001 to \$3,000 Bolivia Botswana Cameroon Congo El Salvador Grenada Kiribati Mongolia Nicaragua North Yemen Philippines St. Christopher-Nevis-Anguilla St. Lucia Seychelles	\$201 to \$400 Afghanistan Benin Burma Cape Verde Islands Comoros Djibouti Guinea Guinea Bissau Haiti India Kenya Lesotho Madagascar Mauritania Mozambique Pakistan Rwanda Sao Tome/Principe Sierra Leone Sri Lanka Sudan Tanzania The Gambia Togo Tunisia Western Sahara Zaire	\$401 to \$600 Angola China (mainland) Dominica Egypt Equatorial Guinea Indonesia Lebanon Liberia Niger Papua New Guinea St. Vincent and the Grenadines Senegal Solomon Islands South Yemen Swaziland Togo Tonga Western Samoa Zambia Zimbabwe	Less than \$201 Bangladesh Bhutan Burundi Central African Republic Chad Ethiopia Kampuchea Laos Malawi Maldives Mali Nepal Somalia Uganda Upper Volta Vietnam
\$7,001 to \$10,000 American Samoa Australia Austria Bermuda Czechoslovakia East Germany Faroe Islands Greenland Guam Japan Libya New Zealand United Kingdom	\$3,001 to \$5,000 Argentina French Polynesia Gabon Ireland Italy Monaco New Caledonia Oman Romania Spain The Bahamas USSR Virgin Islands (US)	\$601 to \$800 Bulgaria Cyprus Gibraltar Greece Guadeloupe Hong Kong Hungary Israel Martinique Netherlands Antilles Poland Puerto Rico Reunion San Marino Singapore Trinidad and Tobago Uruguay	\$201 to \$400 Albania Ghana Guyana Mauritius Morocco Nigeria North Korea	\$401 to \$600 Thailand Vanuatu	





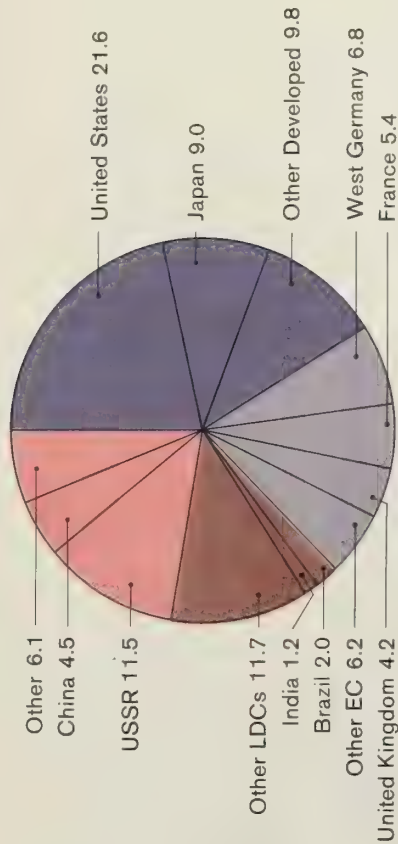
Figure 1

World Gross National Product and Population, 1980

Percent

Total GNP: 12,200 Billion 1980 US \$

- Communist Countries 22.1
- Developed Countries 63.0
- European Community 22.6
- Less Developed Countries 14.9



Total Population: 4.5 Billion Persons

- Communist Countries 34.0
- Developed Countries 18.0
- European Community 5.8
- Less Developed Countries 48.0

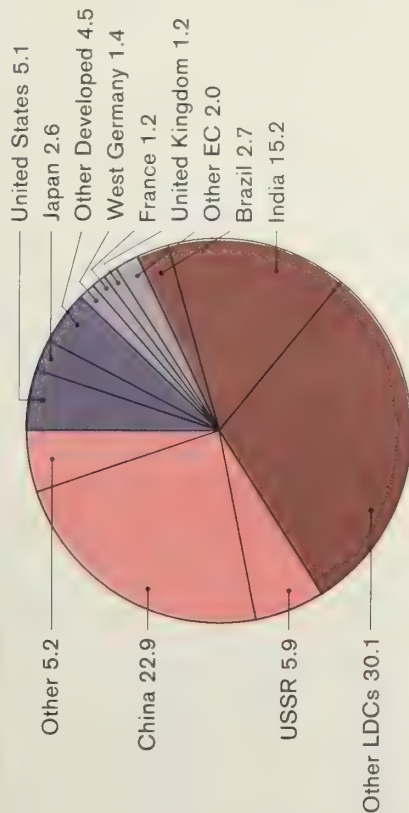


Figure 2

Real GNP Comparisons

Average Annual Rate of Growth (Percent)

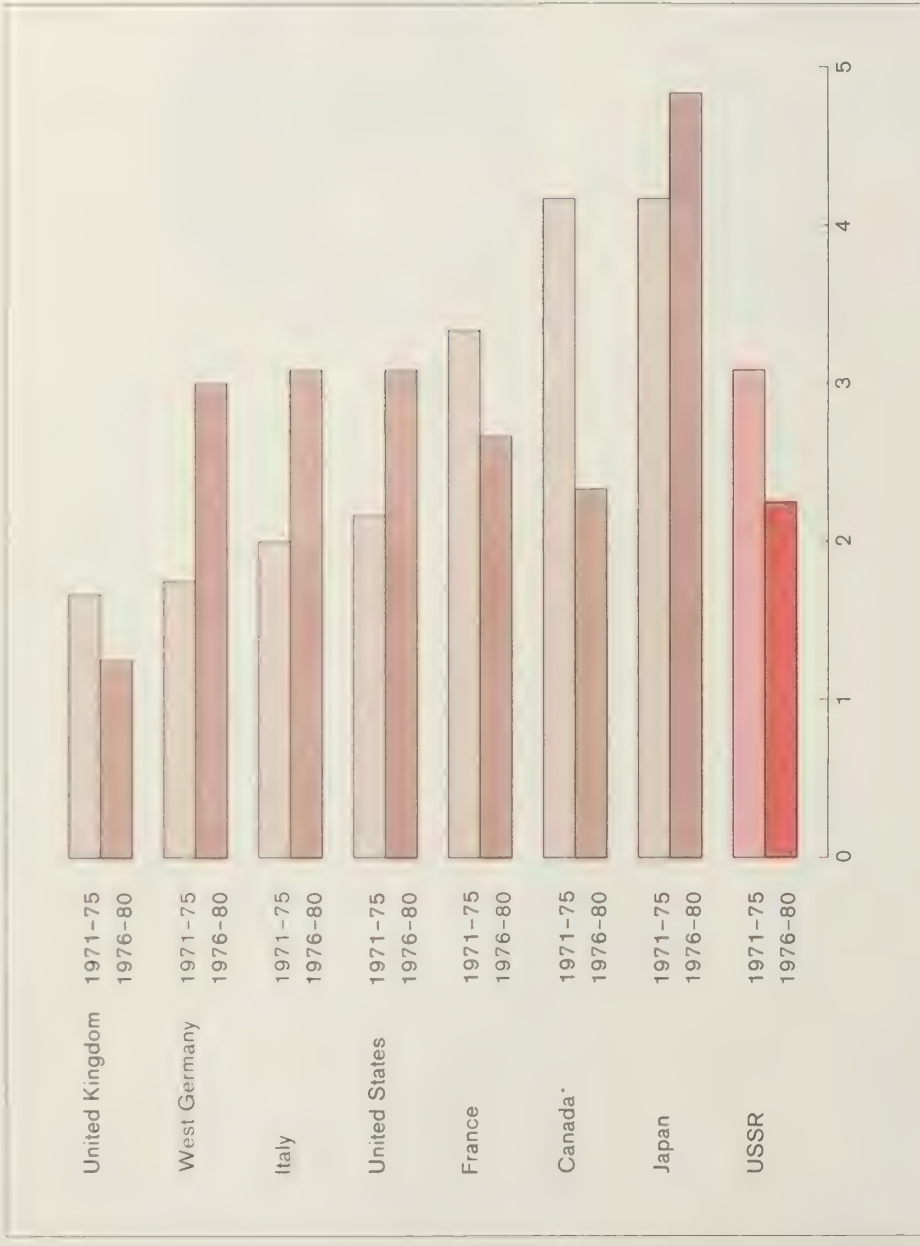
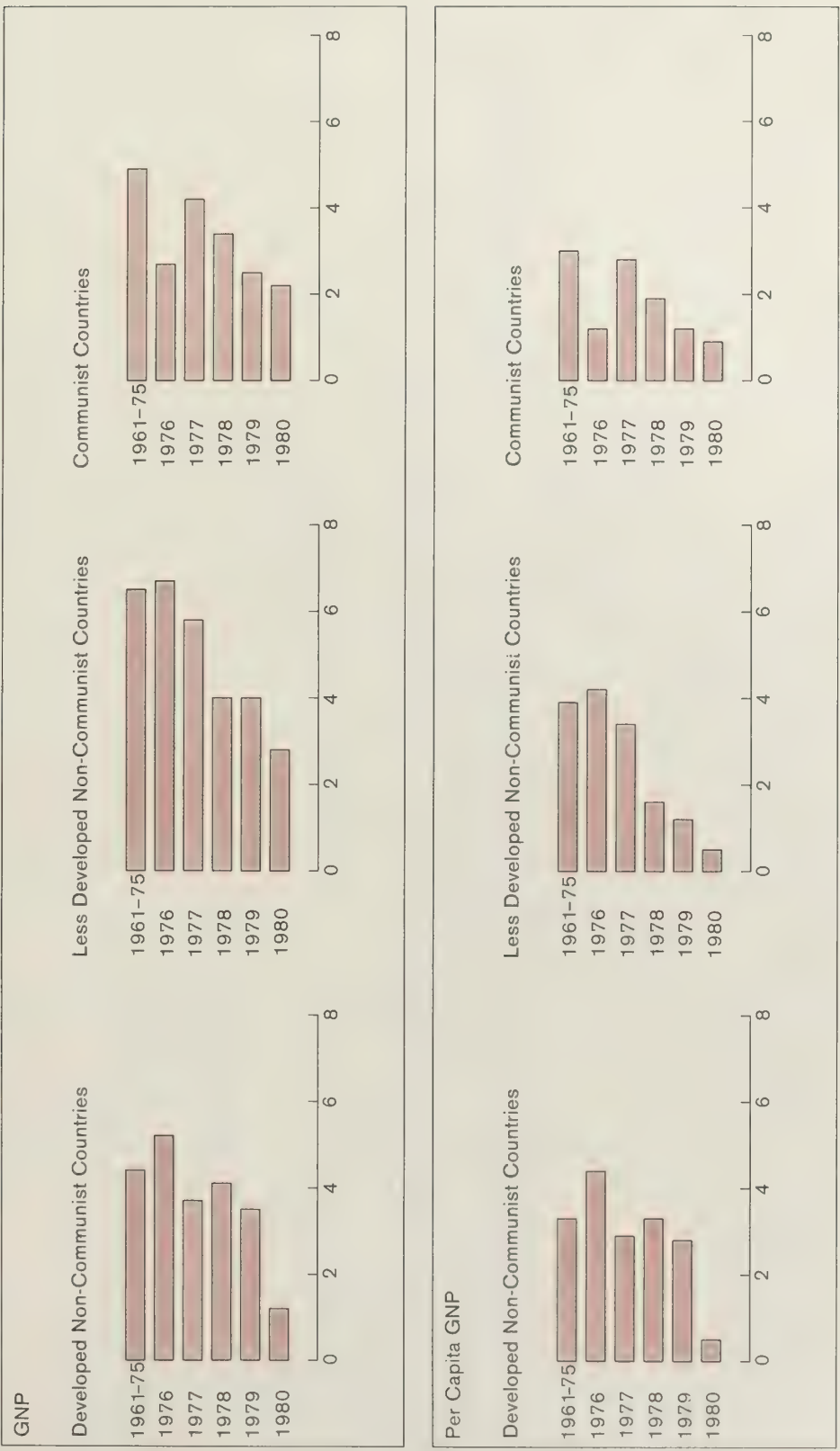


Figure 3

Real Gross National Product Trends

Average Annual Rate of Growth (Percent)



Big Seven: Industrial Production Growth

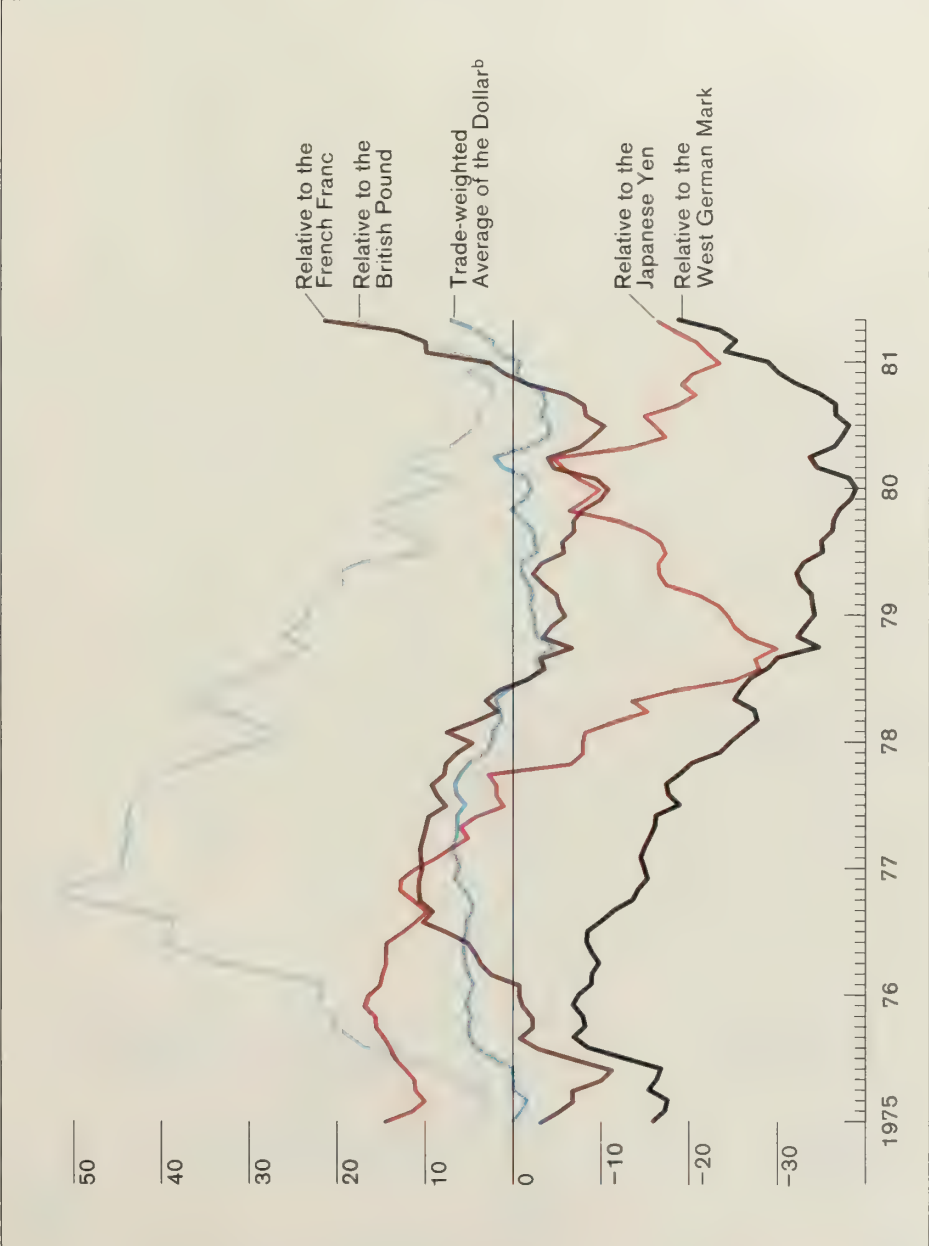
Percent change in three month moving average, at an annual rate, seasonally adjusted



^aData have been revised to 1976 and earlier data are not available.

Figure 5

Percent Change in the Value of the US Dollar^a



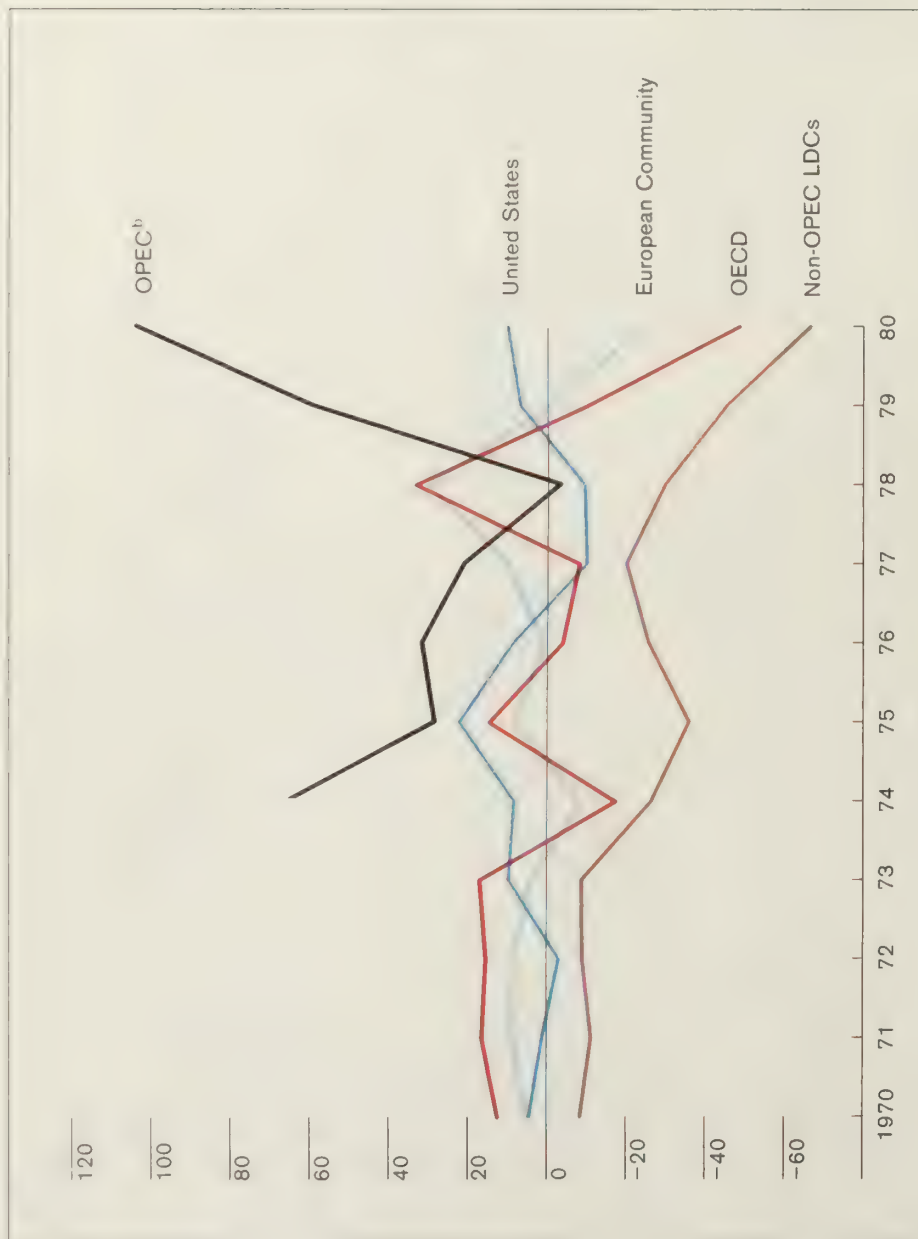
^aChange relative to selected foreign currencies compared with March 1973.

^bRelative to 16 major currencies, weighted by 1976 trade in manufactures.

Figure 6

Current Account Balances^a

Billion US \$



^aIncluding goods, services, and private transfers.
^bA consistent series for prior years is not available.

Figure 7

OPEC Countries: Estimated Current Account Balances

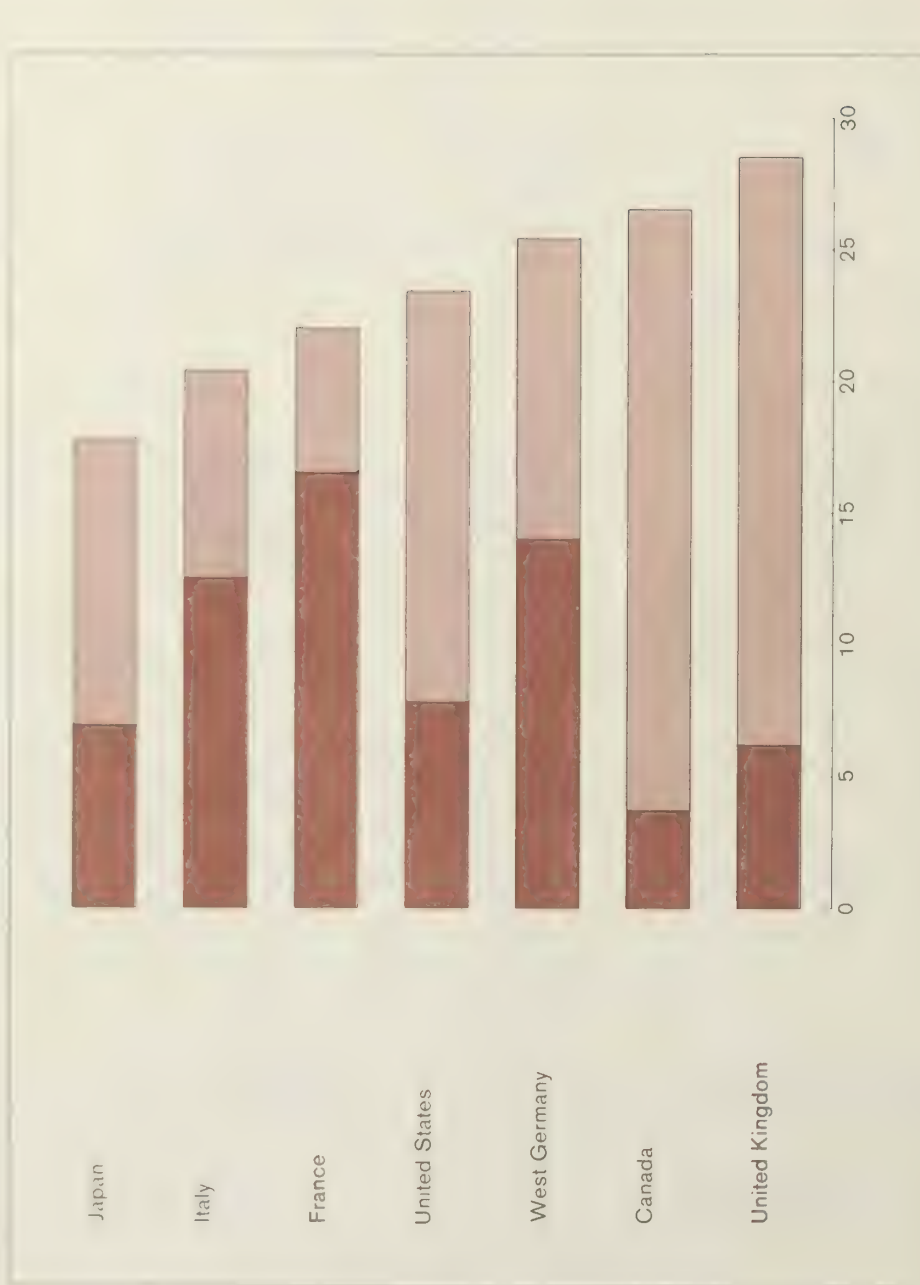
Billion US \$



Figure 8

Selected Industrial Countries: Comparative Tax Burden, 1978

Taxes as a Percent of GDP

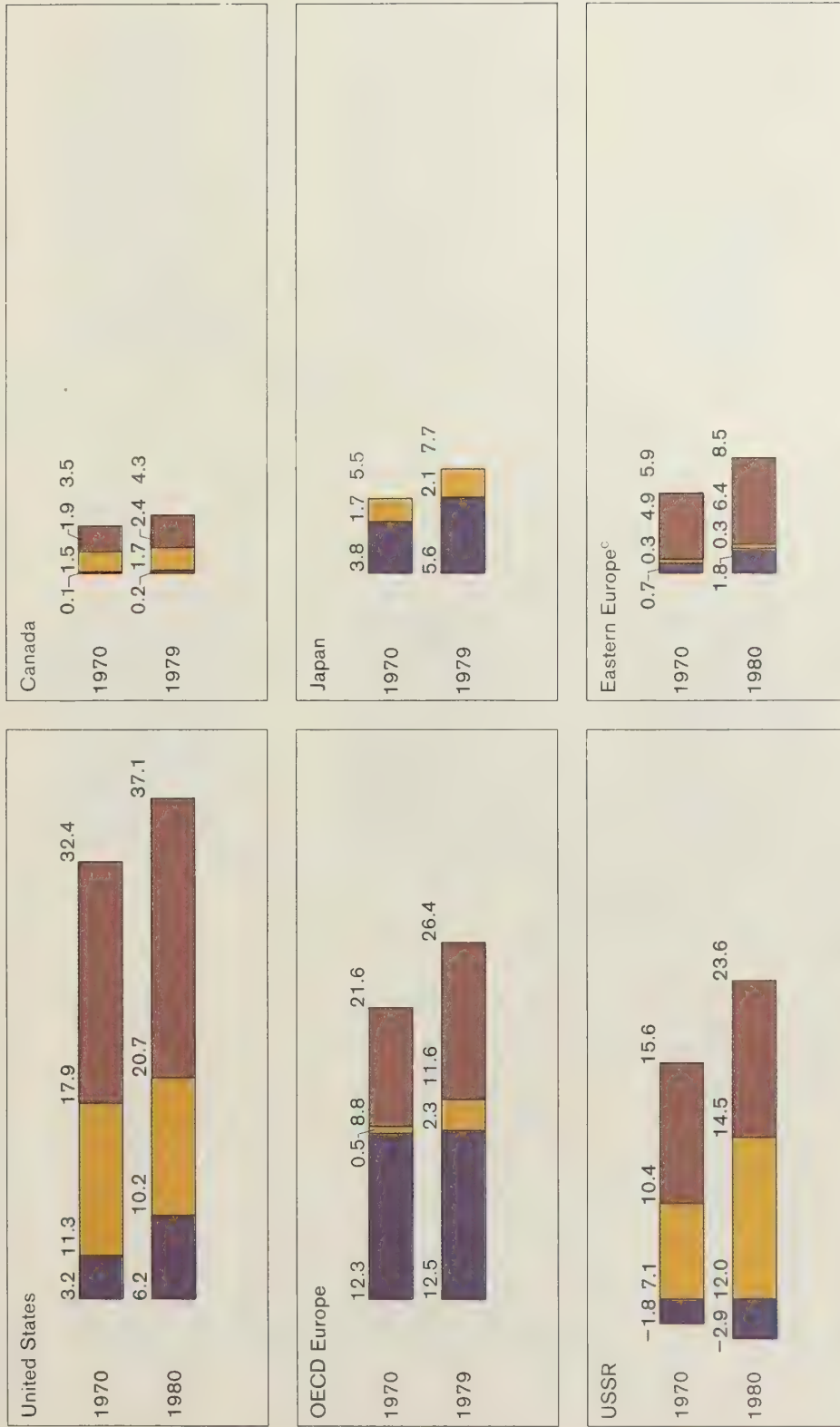


^aDirect plus indirect taxes

Figure 9

Oil Dependency as a Share of Total Primary Energy Demand

Million b/d Oil Equivalents



^a Including natural gas, coal, hydroelectricity, and nuclear energy.
^b Including natural gas liquids.
^c Bulgaria, Czechoslovakia, East Germany, Hungary, Poland, and Romania.

Figure 10

Big Seven: Energy Consumption, Oil Consumption, and GNP Growth

Index: 1973=100

— Energy
— Oil
— GNP

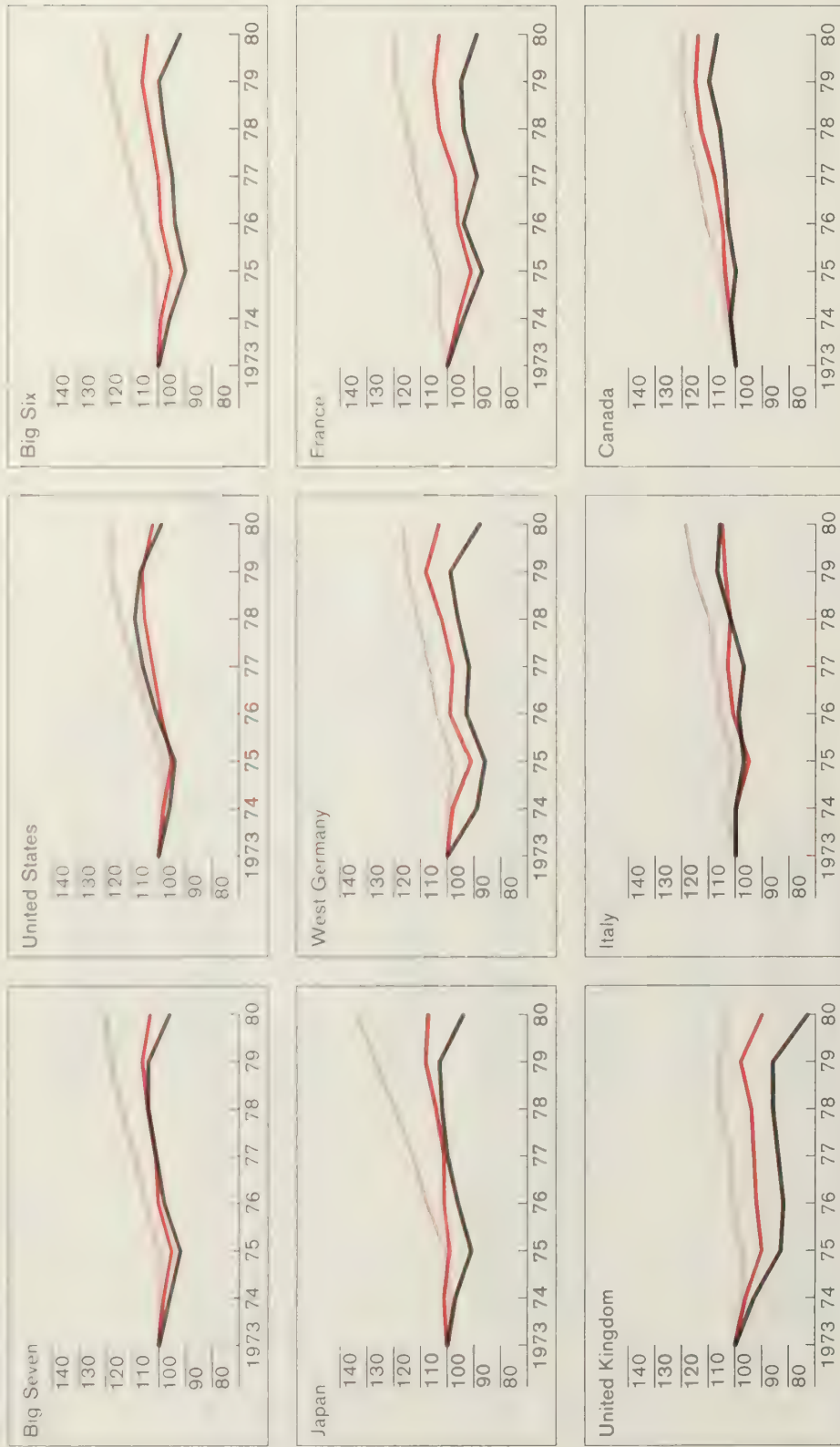


Figure 11

Big Seven: Energy Consumption by Type of Fuel

Percent

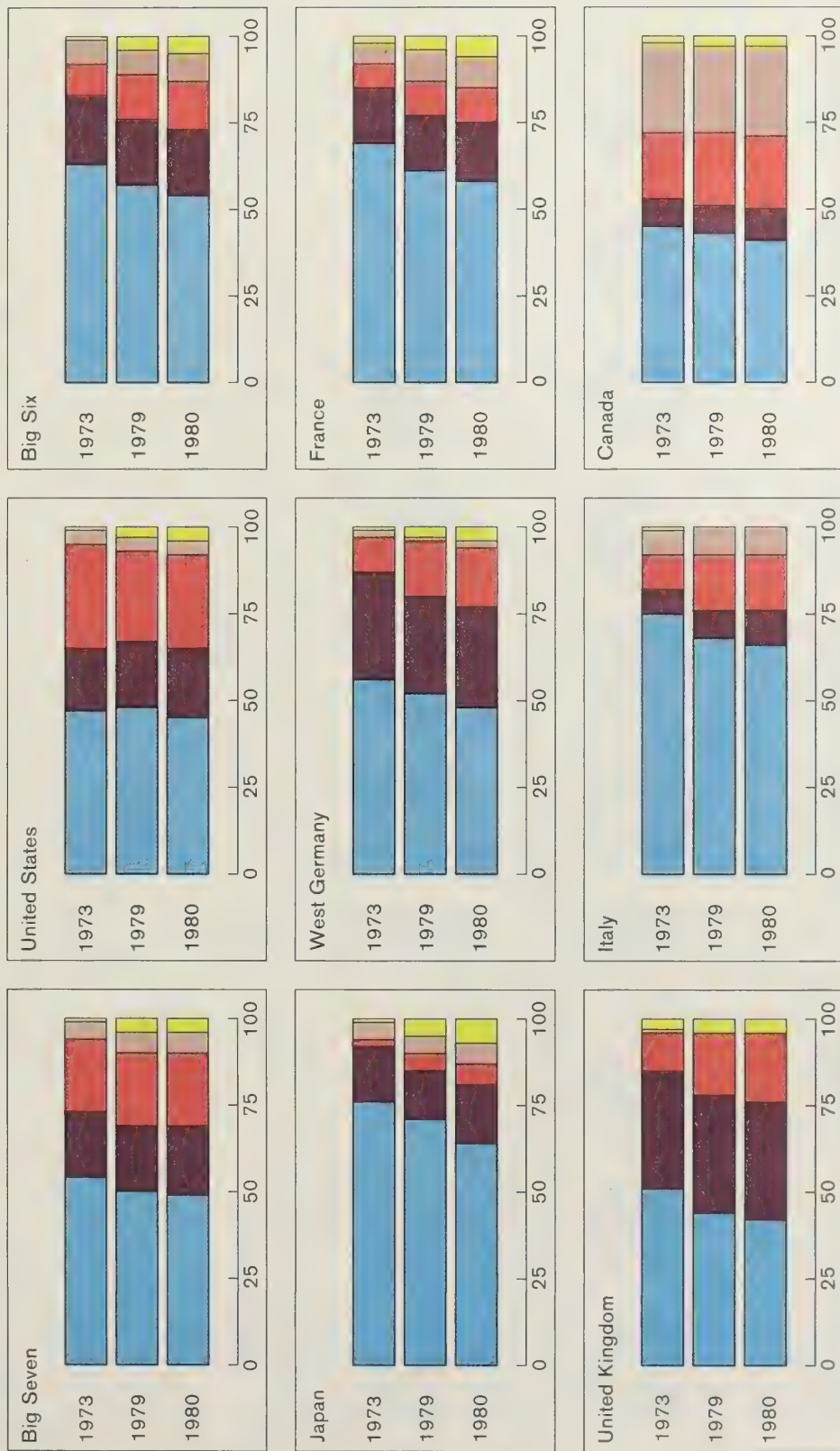


Figure 12

Minerals and Metals: Imports as a Share of Consumption, 1980



Figure 13

World Wheat and Coarse Grain^a Supplies

Million Metric Tons



^aIncludes corn, sorghum, barley, oats, millet, rye, wheat, and miscellaneous grains.

Table 1

Economic Profile: Developed Countries, 1980

	United States	Canada	Japan	European Community					United Kingdom	West Germany	
				Total	France	Italy	Netherlands				
Aggregative data											
Population											
★ Million persons at midyear	227.6	23.9	116.8	261.2	53.7	57.0	14.1	56.0	61.6		
— Percent change from 1979	1.1	0.8	0.8	0.3	0.4	0.2	0.7	0.2	0.5		
Gross national product											
Billion 1980 US \$ ^a	2,626.1	246.4	1,098.0	2,740	660.4	376.2	160.6	508.7	826.3		
— Percent real growth in 1980	-0.2	Negl.	4.3	0.9	1.6	4.0	1.2	-1.4	1.8		
★ Per capita (1980 US \$)	11,540	10,310	9,400	10,490	12,300	6,600	11,390	9,080	13,410		
Industrial production (percent growth in 1980)	-3.6	-1.6	7.0	N.A.	-1.0	5.5	Negl.	-8.7	0.2		
Industry											
Primary energy (million b/d oil equivalent)	32.6	4.7	1.2	10.1	1.1	0.5	1.7	4.2	2.4		
Electricity (billion kilowatt-hours)	2,438	374	519	1,240	242	185	65	285	369		
Crude steel (million metric tons)	101.5	15.7	111.4	128	23.2	26.5	5.3	11.3	43.8		
Cement (million metric tons)	67.2	10.3	88.1	135	28.6	41.8	3.7	14.8	34.2		
Trade and international reserves											
Exports, f.o.b. (billion US \$)	220.6 ^b	67.6	130.4	665.3	116.0	77.7	73.8	115.1	192.9		
Imports, c.i.f. (billion US \$)	253.0	62.6	141.3	722.4	134.9	99.5	78.1	119.9	187.9		
★ Trade balance (billion US \$)	-32.4	5.0	-10.9	-57.0	-18.9	-21.8	-4.2	-4.8	5.0		
International reserves (billion US \$)	27.4	4.0	25.7	160	31.0	26.1	13.6	21.5	52.3		
Indicators of living standards											
Grain production (kilograms per capita)	1,158	1,636	113	456	882	311	91	342	374		
Meat production (kilograms per capita)	116	106	25	80	94	57	139	52	75		
Automobile registrations (units per thousand persons)	542	418 ^c	194 ^c	311 ^c	345 ^c	300 ^c	298 ^c	267 ^c	367 ^c		
Energy consumption (barrels oil equivalent per capita) ^c	61	66	24	N.A.	28	19	41	29	34		
— Consumer price index (percent growth in 1980)	13.5	10.2	8.0	N.A.	13.5	21.2	6.5	18.0	5.5		
Telephones in use ^c (units per thousand persons)	791	656	476	413	414	318	486	477	434		

^a Data were converted from national currencies at average 1980 Par Rate/Market Rate factors.^b Excluding Department of Defense shipments.^c Data are for 1979.

Table 2

Economic Profile: Communist Countries, 1980

	USSR	Eastern Europe								
		Total	Bulgaria	Czechoslovakia	East Germany	Hungary	Poland	Romania	China	Yugoslavia
Aggregate data										
Population										
Million persons at midyear	265.5	109.4	8.9	15.3	16.7	10.7	35.6	22.2	1,027.0	22.4
Percent change from 1979	0.8	0.6	1.1	0.7	Negl.	Negl.	0.8	0.9	1.5	0.9
Gross national product ^a										
Billion 1980 US \$	1,392.5 ^b	627	39.8	117.1	135.4	52.8	165.0	116.5	552.1	72.3
Percent real growth in 1980	1.5	0.4	-0.3	2.0	2.6	0.2	-2.7	1.0	6.3	3.0
Per capita (1980 US \$)	5,240	5,730	4,470	7,650	8,110	4,930	4,630	5,250	540	3,230
Industrial production (percent growth in 1980)	3.9	1.3	2.0	2.2	2.3	-0.8	-1.3	4.5	8.5	4.1
Industry										
Primary energy (million b/d oil equivalent)	27.1	6.2	0.2	1.0	1.2	0.3	2.5	1.1	8.9	0.5
Electricity (billion kilowatt-hours)	1,295	419	35	73	99	24	122	68	301	59
Crude steel (million metric tons)	148.0	61.6	2.6	15.2	7.3	3.8	19.5	13.2	37.1	3.6
Cement (million metric tons)	125.0	67.1	5.4	10.6	12.4	4.7	18.4	15.6	79.9	9.3
Trade										
Exports (billion US \$)	76.5	76.9 ^c	10.2	16.0	16.6 ^c	12.4	16.9	9.9 ^c	19.8	9.0
Imports (billion US \$)	68.5	82.6 ^c	9.3	15.6	18.4 ^c	12.9	19.1	11.2 ^c	19.4	15.1
Trade balance (billion US \$)	8.0	-5.7 ^c	0.8	0.4	-1.8 ^c	-0.5	-2.2	-1.2 ^c	0.4	-6.1
Indicators of living standards										
Grain production (kilograms per capita)	713	760	867	707	577	1,285	515	1,031	310	699
Meat production (kilograms per capita)	57	95	88	95	110	143	87	77	N.A.	68
Automobile registrations (units per thousand persons)	26 ^c	71 ^d	55 ^d	139 ^c	150 ^c	71 ^d	59 ^c	11 ^c	N.A.	102 ^c
Energy consumption (barrels oil equivalent per capita) ^c	31	28	27	35	39	20	25	22	N.A.	13
Telephones in use (units per thousand persons)	84 ^c	115 ^d	120 ^d	201 ^c	183 ^c	111 ^c	91 ^c	59 ^d	N.A.	85 ^c

^a Data were converted at US purchasing power equivalents.^b Data are at factor costs.^c Data are for 1979.^d Data are for 1978.

Table 3

**Economic Profile: Organization of Petroleum
Exporting Countries, 1980**

	Algeria	Ecuador	Gabon	Indonesia	Iran	Iraq	Kuwait	Libya	Nigeria	Qatar	Saudi Arabia	United Arab Emirates	Venezuela
Aggregate data													
Population													
Million persons at midyear	18.8	8.0	0.6	151.2	38.7	13.4	1.4	3.0	77.1	0.2	8.3	0.9	15.0
Percent increase from 1979	3.1	3.0	1.7	2.1	3.0	3.4	5.9	4.1	3.3	3.2	3.0	N.A.	3.3
Gross national product													
Billion 1980 US \$	31.0	10.5	3.8	61.3	104.2	37.5	18.5	21.3	77.0	5.9	108.0	10.2	60.6
Percent real growth in 1980	6.5	4.6	4.0	7.0	-33.0	5.0	-10.0	Negl.	7.0	3.0	8.0	1.0	0.9
Per capita (1980 US \$)	1,650	1,310	6,330	400	2,690	2,800	13,210	7,100	1,000	29,500	13,010	11,330	4,040
Industry													
Crude oil production (thousand b/d)	1,010	205	175	1,575	1,660	2,515	1,655 ^a	1,785	2,055	470	9,900 ^a	1,710	2,165
Share of oil in GNP (percent)	34	N.A.	34 ^b	16	30	66	75	60	36	75	62	80	N.A.
Trade and international reserves													
Exports f.o.b. (million US \$)	12,410	2,314	1,476 ^b	21,907	13,768	26,352	19,247	22,579	26,854	5,672	102,503	20,747	18,454
Government oil revenues (million US \$)	14,100	213 ^c	615 ^b	10,300	12,100	24,900	18,400	22,200	23,000	5,400	98,100	18,300	11,600
Oil exports (thousand b/d)	890	125	185 ^b	1,035	1,090	2,298	1,700	1,735	1,895	462	9,665	1,630	1,835
Imports c.i.f. (million US \$)	10,714	2,247	846	10,834	12,246	13,048	7,379	9,890	16,688	1,423	30,171	8,746	11,155
United States (million US \$)	542	622	32 ^b	2,300	23	724	886	509	1,300	129	5,768	998	4,573
European Community (million US \$)	6,675	579 ^b	382 ^c	1,800	4,494	5,307	2,051	5,868	9,550	547	10,238	2,896	1,903 ^b
Japan (million US \$)	403	202 ^b	17 ^b	4,900	1,554	2,141	1,282	527	1,700	222	4,892	1,381	778 ^b
International reserves ^d (million US \$)	4,020	1,032	108	5,498	15,538	6,996 ^c	4,042	13,229	10,266	365	23,641	2,041	7,116

^a Including about one-half of Neutral Zone production.^b Data are for 1979.^c Data are for 1978.^d Including gold valued at SDR 35 per ounce.^e Data are for 1977.

Table 4

Economic Profile: Selected Less Developed Countries, 1980

	Africa				Asia				Latin America				Middle East and South Asia						
	Ivory Coast	Kenya	Morocco	Zaire	Hong Kong	Malay-sia	Philip-pines	South Korea	China (Taiwan)	Argen-tina	Brazil	Chile	Colom-bia	Mexico	Peru	Egypt	India	Paki-stan	Syria
Aggregative data																			
Population																			
Million persons at midyear	8.0	15.9	21.0	28.9	4.8	14.0	48.9	38.2	17.8	27.2	121.6	11.0	26.8	67.5	17.6	42.0	692.3	86.5	8.7
Percent increase	3.3	3.6	2.9	2.9	1.9	2.4	2.5	1.6	2.0	1.3	2.1	1.5	2.1	2.6	2.6	2.6	1.9	2.8	3.3
Gross national product																			
Billion 1980 US \$	10.6	5.3	17.2	6.3	18.8	22.6	36.3	57.4	40.3	143.0	240.0	17.5	27.8	164.0	19.2	23.5	149.9	21.9	8.9
Percent real growth	6.9	2.0	4.3	1.7	9.0	7.5	5.4	-5.7	6.7	-0.3	8.0	6.0	4.5	8.3	5.0	8.0	6.5	6.7	12.5
Per capita (1980 US \$)	1,320	330	820	220	3,920	1,610	740	1,500	2,260	5,260	1,970	1,590	1,040	2,430	1,090	560	220	250	1,020
Industry																			
Electricity production (billion kilowatt-hours)																			
	1.6 ^a	1.5 ^a	4.4	4.0 ^b	11.2	9.0	18.0	37.2	40.8	35.7	110.0	11.5	18.8 ^b	65.6	8.5	18.5	104.7	14.0	3.0
Agriculture																			
Grain production (million metric tons)																			
	0.9 ^a	1.6	4.4	0.7	Negl.	1.7	11.9	6.7	3.7	25.2	32.7	1.8	2.6	16.2	1.1	7.5	132.6	16.6	3.3
Trade and international reserves																			
Exports, f.o.b. (million US \$)																			
	3,034	1,384	2,466	1,632	13,634	12,944	5,698	17,505	18,259	7,975	20,132	4,818	3,916	15,348	3,904	1,840 ^a	8,031	2,618	2,108
Imports, c.i.f. (million US \$)																			
	2,551	2,333	4,216	835	22,330	10,820	8,238	22,297	16,134	10,400	25,002	5,821	4,739	19,460	3,600	3,837 ^a	14,131	5,350	4,124
International reserves (million US \$) ^c																			
	22	495	430	217	N.A.	4,492	2,931	2,939	5,335	6,914	5,853	3,199	4,956	2,923	2,041	1,154	7,327	578	374

^a Data are for 1979.^b Data are for 1978.^c Including gold valued at SDR 35 per ounce.

Table 5

Selected World Statistics ^a

	1960	1965	1970	1975	1976	1977	1978	1979	1980
Gross National Product (billion 1980 US \$)	5,040	6,470	8,370	10,200	10,700	11,100	11,600	12,000	12,200
Population (million persons, midyear)	3,059	3,358	3,727	4,109	4,179	4,250	4,332	4,406	4,481
Agricultural production index (1975 = 100)	65	73	88	100	102	104	109	110	111
Exports (billion US \$)	129.8	189.9	313.1	873.8	896.4	1,018.2	1,175.5	1,488.9	1,831.1
Crude oil (million b/d)	21.0	30.3	45.7	53.0	57.4	59.7	60.2	62.7	59.5
Natural gas (trillion cubic feet)	N.A.	24.5	38.1	46.4	48.3	50.1	51.7	53.3	54.6
Hard coal (million metric tons)	1,985 ^b	2,034 ^b	2,143	2,372	2,423	2,524	2,702	2,718	2,726
Brown coal and lignite (million metric tons)	640	742	793	863	890	905	931	942	966
Electricity (billion kilowatt hours)	2,348	3,412	5,019	6,518	6,978	7,289	7,649	7,830	8,022
Iron ore (million metric tons)	522	621	769	892	895	858	834	887	828
Bauxite (million metric tons)	27.6	37.4	57.8	75.1	77.6	82.4	81.7	86.8	87.4
Pig iron (million metric tons)	259	335	431	468	487	483	497	582	563
Crude steel (million metric tons)	346	459	594	651	683	674	712	814	792
Refined copper (thousand metric tons)	N.A.	6,157	7,543	8,344	8,790	9,085	9,194	9,352	9,362
Primary aluminum (million metric tons)	4.5	6.3	9.7	12.0	12.5	13.7	14.1	16.0	16.9
Smelter lead (thousand metric tons)	2,313	2,641	3,292	3,369	3,232	3,196	3,303	3,331	3,247
Refined zinc (thousand metric tons)	3,025	3,949	4,827	5,460	5,770	5,964	6,024	6,436	6,143
Primary tin (thousand metric tons)	192	200	227	226	226	224	236	245	244
Mineral fertilizer ^c (million metric tons, nutrient content)	N.A.	42.8	66.3	93.3	93.4	100.6	106.5	113.7	118.8
Nitrogen fertilizer ^c (million metric tons of N)	N.A.	16.8	30.2	42.5	43.9	47.6	51.4	55.9	59.6
Phosphate fertilizer ^c (million metric tons of P ₂ O ₅)	N.A.	13.8	19.2	27.1	26.1	28.0	29.6	31.6	33.4
Potassium fertilizer ^c (million metric tons of K ₂ O)	N.A.	12.1	16.9	23.7	23.4	25.0	25.5	26.2	25.7
Synthetic fibers (thousand metric tons)	700	2,050	4,870	7,460	8,650	9,060	9,945	10,282	10,482
Automobiles (thousand units)	12,800	19,100	22,500	25,220	28,930	30,430	32,380	31,360	28,880
Cement (million metric tons)	N.A.	449	595	750	760	766	776	880	840
Grain (million metric tons)	929	1,010	1,220	1,390	1,500	1,490	1,600	1,560	1,560
Wheat (million metric tons)	240	262	319	360	425	391	447	420	431
Coarse grain (million metric tons)	414	441	540	605	663	668	726	707	682
Rice (million metric tons)	162	166	312	358	350	370	384	371	392
Potatoes (million metric tons)	285	285	312	259	263	266	276	286	229
Sugar (million metric tons)	61.4	67.2	76.7	81.7	85.7	93.9	94.1	92.7	88.8
Coffee (thousands metric tons)	N.A.	5,057	3,873	4,644	3,555	4,293	4,726	4,915	4,871

Fish catch (million metric tons)	40.2	53.2	65.7	66.5	69.9	69.2	70.5	71.3	N.A.
Cattle (million head)	901	1,070	1,100	1,200	1,210	1,210	1,205	1,206	1,216
Hogs (million head)	519	575	594	655	638	703	737	762	798
Meat (million metric tons)	65.4	73.3	102	117	123	128	131	136	139
Milk (million metric tons)	315	342	362	392	399	410	418	422	428
Wool (thousand metric tons)	2,450	2,540	2,840	2,640	2,600	2,580	2,600	2,680	2,760
Ginned cotton (million metric tons)	10.4	12.2	11.8	11.8	12.5	13.9	13.0	14.3	14.3
Tobacco (thousand metric tons)	N.A.	4,581	4,675	5,445	5,667	5,569	5,750	5,387	5,386
Railroad freight (billion ton-kilometers)	3,338	4,195	5,020	5,958	6,143	6,408	6,592	6,618	N.A.
Fishing fleet inventory (number)	N.A.	N.A.	12,889	18,940	19,651	19,940	19,969	20,408	21,523
(thousand GRT)	N.A.	N.A.	7,804	11,339	11,849	12,162	12,198	12,270	12,669
Merchant fleet inventory (number)	17,229	17,825	19,503	22,353	22,884	24,102	24,036	24,155	23,855
(million DWT)	171.6	214.1	325.1	556.4	596.9	628.8	633.4	641.3	638.1
Tanker fleet inventory (number)	3,371	3,533	4,119	5,177	4,311	5,503	5,363	5,342	5,439
(million DWT)	63.7	89.6	152.4	301.7	319.6	389.5	381.5	382.1	379.9

^a For more detailed descriptions and definitions, refer to the respective table.

Unless otherwise indicated data include China.

^b Including brown coal at its hard coal equivalent.

^c Fertilizer year ending 30 June of the stated year.

Table 6

Indicators of Living Standards for the US and USSR ^a

	1965	1970	1975	1976	1977	1978	1979 ^b	1980 ^b
Total consumption	31.0	34.7	34.9	34.4	33.8	33.2	33.3	34.1
Food	43.3	52.8	56.7	53.7	52.5	53.6	53.6	53.1
Soft goods	30.4	37.4	39.1	39.4	39.5	37.9	38.0	39.1
Durables	7.7	10.6	14.0	13.3	13.4	12.7	13.2	15.5
Services	29.4	29.1	28.7	28.6	28.2	28.0	27.9	27.8
Housing	16.8	15.3	14.3	14.0	13.5	13.0	12.6	12.2
Utilities	14.5	16.7	20.2	20.6	20.8	21.3	N.A.	N.A.
Public transportation	128.4	186.2	250.8	258.9	249.5	251.0	N.A.	N.A.
Communications	18.4	19.5	20.2	19.9	19.6	19.0	N.A.	N.A.
Repair and personal care	18.7	29.1	46.6	48.2	49.1	50.4	N.A.	N.A.
Recreation	48.9	50.2	45.8	43.6	41.0	41.1	N.A.	N.A.
Automotive	0.6	0.6	1.0	1.1	1.3	1.5	N.A.	N.A.
Health	44.0	40.1	34.5	33.4	32.8	32.5	N.A.	N.A.
Education	106.2	79.6	77.0	76.6	77.0	77.9	N.A.	N.A.

^a Soviet per capita consumption as a share of US per capita consumption. Shares are the geometric mean of comparisons carried out in constant 1976 dollars and rubles. Comparisons were based on purchasing power parities (ruble/dollar ratios) calculated for 1976 from a large sample of prices of goods and services in the two countries. Relative levels for 1976 were extended backward and forward on the basis of indexes for each component in constant prices.

^b Preliminary.

Table 7

Production of Selected Consumer Goods in the US and USSR

	1960	1965	1970	1975	1976	1977	1978	1979	1980
Food									
Grain production ^a (kilograms per capita)									
United States ^b	1,003	944	911	1,151	1,180	1,197	1,227	1,328	1,158
USSR ^c	586	524	769	551	871	756	908	680	713
Meat production ^d (kilograms per capita)									
United States	71	74	110	106	114	114	113	114	116
USSR	41	43	51	59	53	57	59	59	57
Persons supplied per farm worker									
United States	26	35	45	50	50	53	56	60	60
USSR	5	6	6	7	7	8	8	8	8
Transportation									
Passenger automobile production (units per hundred persons)									
United States ^e	3.69	4.79	3.19	3.11	3.90	4.18	4.12	3.74	2.81
USSR	0.06	0.09	0.14	0.47	0.48	0.49	0.50	0.50	0.50
Household equipment									
Washing machine production (units per thousand persons)									
United States ^e	18	22	20	20	21	23	23	22	20
USSR	4	15	22	13	14	14	14	14	14
Washing machines in use ^f (units per thousand persons)									
United States ^g	158	170	194	238	248	256	267	272	279
USSR	13	59	141	189	195	200	203	205	209
Refrigerator production (units per thousand persons)									
United States ^e	19	25	26	21	22	26	26	25	23
USSR	2	7	17	22	23	22	23	23	22
Refrigerators in use ^f (units per thousand persons)									
United States ^g	281	295	336	340	344	349	355	352	351
USSR	10	29	89	178	194	210	226	240	249

^a The data do not necessarily represent food available for consumption, because imports of foreign grain and exports of domestically produced grain are not included.

^b Excluding corn silage and forage but including sorghum for grain.

^c Including miscellaneous grains and pulses. Measured in bunker weight, that is gross output from the combine, which includes excess moisture, unripe and damaged kernels, weed seeds, and other trash. For comparison with US or other country grain output, an average discount of 11 percent should be applied.

^d Data are on a carcass weight, bone-in basis.

^e Data are for factory sales and include complete units exported for assembly.

^f As of the end of the year.

^g Data are understated because they are based on the number of households with one or more units; thus, a household with more than one is counted as having only one.

Table 8

Commodity Production of the US and the USSR^a

Commodity	1960	1965	1970	1975	1976	1977	1978	1979	1980
Primary energy (million b/d of oil equivalent)									
US	21.1	24.9	30.8	30.2	30.1	30.3	30.9	32.2	32.6
USSR	9.3	13.2	17.0	21.9	23.2	24.3	25.4	26.3	27.1
Crude oil (thousand b/d)									
US	7,055	7,804	9,648	8,375	8,131	8,245	8,707	8,533	8,595
USSR	2,943	4,835	6,976	9,570	10,110	10,650	11,140	11,400	11,700
Natural gas (trillion cubic feet)									
US	12.8	16.0	21.9	20.1	20.0	20.0	20.0	20.5	20.1
USSR	1.6	4.5	7.0	10.2	11.3	12.2	13.1	14.4	15.4
Hard coal (million metric tons)									
US	391.5	475.3	550.4	576.2	598.5	606.2	577.1	670.9	716.4
USSR	355.9	397.6	432.7	485.0	494.0	503.0	501.0	497.0	494.0
Brown coal and lignite (million metric tons)									
US	2.5	4.6	7.2	17.7	22.8	26.2	30.9	37.7	42.0
USSR	134.2	147.4	144.7	160.0	160.0	160.0	163.0	161.0	161.0
Electricity (billion kilowatt-hours)									
US	893.7	1,229.6	1,742.7	2,131.1	2,263.2	2,361.7	2,436.0	2,472.1	2,437.8
USSR	292.3	506.7	740.9	1,038.6	1,111.4	1,150.1	1,201.9	1,238.2	1,295.0
Iron ore (million metric tons)									
US	90.2	88.8	91.2	80.1	80.0	55.8	82.8	86.5	69.3
USSR	105.9	153.4	197.1	234.7	241.1	241.9	246.2	241.7	245.0
Bauxite (thousand metric tons)									
US	2,030	1,680	2,120	1,800	1,989	2,013	1,669	1,821	1,617
USSR	3,100	5,300	6,700	8,000	8,200	8,500	8,800	9,000	9,100
Pig iron (million metric tons)									
US	62.2	82.6	83.0	72.5	78.8	73.4	79.6	78.9	62.3
USSR	46.8	66.2	85.9	103.0	105.4	107.4	110.7	109.0	107.0
Crude steel (million metric tons)									
US	90.1	119.3	119.3	105.8	116.1	113.7	124.3	123.7	101.5
USSR	65.3	91.0	115.9	141.3	144.7	146.7	151.5	149.0	148.0
Refined copper (thousand metric tons)									
US	1,642	1,957	2,065	1,622	1,737	1,707	1,869	2,014	1,755
USSR	475	700	1,015	1,320	1,350	1,400	1,460	1,500	1,520

Primary aluminum (thousand metric tons)												
US	1,830	2,500	3,607	3,520	3,856	4,118	4,358	4,557	4,654			
USSR	620	970	1,490	2,130	2,220	2,270	2,330	2,410	2,530			
Lead (thousand metric tons)												
US	347	379	605	577	592	549	565	576	550			
USSR	300	385	470	540	560	575	580	585	600			
Refined zinc (thousand metric tons)												
US	788	978	866	450	515	454	441	525	350			
USSR	360	475	690	820	840	860	875	890	900			
Gold (million troy ounces)												
US	1.7	1.7	1.7	1.0	1.0	1.1	1.0	1.0	0.9			
USSR	3.6	5.3	7.0	8.3	8.9	9.2	9.5	9.9	10.2			
Synthetic ammonia (million metric tons of N)												
US	3.6	6.6	10.3	12.2	12.5	13.0	12.8	13.8	14.2			
USSR	1.1	3.1	6.3	9.9	10.1	10.7	11.5	12.3	13.8			
Mineral fertilizer (million metric tons, nutrient content)												
US ^b	7.4	10.6	14.8	17.1	18.2	19.2	19.0	20.9	22.4			
USSR	3.3	4.5	13.1	22.0	22.6	23.5	23.7	22.1	24.8			
Nitrogen fertilizer (million metric tons of N)												
US ^b	2.5	5.1	7.6	8.5	9.6	9.8	9.5	10.1	11.2			
USSR	1.0	2.7	5.4	8.5	8.6	9.1	9.3	9.2	10.2			
Plastics (million metric tons)												
US	2.8	5.3	9.7	10.2	13.3	11.2	12.4	13.9	12.4			
USSR	0.3	0.8	1.7	2.8	3.1	3.3	3.5	3.5	3.6			
Synthetic rubber (million metric tons)												
US	1.5	1.8	2.2	2.0	2.4	2.5	2.6	2.7	2.2			
USSR	0.3	0.6	0.9	1.4	1.6	1.7	1.8	1.9	1.9			
Woven cotton fabrics												
US (billion linear meters)	8.6	8.4	5.7	3.7	4.1	4.0	3.7	3.5	3.4			
USSR (billion square meters)	4.8	5.5	6.2	6.6	6.8	6.8	7.0	7.0	7.0			
Tractors (thousands)												
US	178.5	271.8	191.7	232.0	213.2	226.3	197.3	222.4	155.4			
USSR	238.5	354.5	458.5	550.4	562.2	569.1	576.1	557.0	557.6			
Automobiles (millions)												
US	6.7	9.3	6.5	6.7	8.5	9.2	9.2	8.4	6.4			
USSR	0.1	0.2	0.3	1.2	1.2	1.3	1.3	1.3	1.3			
Trucks and buses (millions)												
US	1.2	1.8	1.7	2.3	3.0	3.4	3.7	3.0	1.7			
USSR	0.5	0.4	0.6	0.8	0.8	0.8	0.8	0.9	0.9			

Table 8 (Continued)

Commodity Production of the US and the USSR ^a

Commodity	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
Cement (million metric tons)										
US		56.1	65.1	67.4	61.8	66.2	71.3	76.2	75.3	67.2
USSR		45.5	72.4	95.2	122.1	124.2	127.1	127.0	123.0	125.0
Grain (million metric tons)										
US		181.3	183.5	186.7	248.7	257.4	263.8	273.1	298.8	263.6
USSR		125.6	121.1	186.8	140.1	223.8	195.7	237.4	179.2	189.2
Wheat (million metric tons)										
US		36.9	35.8	36.8	57.8	58.3	55.4	48.9	58.3	64.3
USSR		64.3	59.7	99.7	66.2	96.9	92.2	120.8	90.2	98.1
Coarse grain (million metric tons)										
US		141.9	144.2	146.1	185.1	193.9	203.8	218.1	234.5	192.7
USSR		61.1	60.8	85.8	71.9	124.9	101.3	114.5	86.6	88.3
Potatoes (million metric tons)										
US		11.7	13.1	14.8	14.6	16.2	16.1	16.6	15.8	13.6
USSR		84.4	88.7	96.8	88.7	85.1	83.6	86.1	91.0	66.9
Sugar (million metric tons)										
US		3.6	4.9	5.3	5.7	6.2	5.5	4.9	5.2	5.2
USSR		6.9	12.0	11.1	11.3	10.1	13.1	13.3	11.6	11.0
Meat (million metric tons)										
US		12.8	14.3	22.5	23.0	24.9	25.1	25.2	25.6	26.3
USSR		8.7	10.0	12.3	15.0	13.6	14.7	15.5	15.5	15.1
Milk (million metric tons)										
US		53.7	56.3	53.3	52.3	54.6	55.6	55.1	56.0	58.3
USSR		61.7	72.6	83.0	90.8	89.7	94.9	94.7	93.3	90.7
Ginned cotton (thousand metric tons)										
US		3,107	3,260	2,219	1,808	2,303	3,133	2,364	3,185	2,428
USSR		1,458	1,925	2,343	2,674	2,815	2,978	2,890	3,115	3,386

^a For more detailed definitions, exceptions, and methodology refer to the commodity tables.

^b Fertilizer year ending 30 June of the stated year.

Minerals and
Metals

Energy

Foreign Trade

Soviet Economic
Transportation

Aggregative Trends

Manufacturing Goods
and Forestry

Table 9

Billion 1980 US \$

Estimated Gross National Product at Market Prices ^a

	1960	1965	1970	1975	1976	1977	1978	1979	1980
World	5,040	6,470	8,370	10,200	10,700	11,100	11,600	12,000	12,200
Developed Countries	3,350	4,350	5,500	6,430	6,770	7,010	7,300	7,560	7,650
United States	1,307.5	1,648.2	1,925.4	2,188.4	2,306.3	2,432.8	2,548.4	2,630.2	2,626.1
Australia	59.5	75.4	101.5	121.4	126.4	127.1	130.7	134.3	138.3
Canada	102.2	133.1	168.2	215.0	226.8	231.1	239.7	246.2	246.4
Japan	225.4	362.9	646.4	826.8	880.4	928.3	983.7	1,041.7	1,098.0
Spain	68.5	104.4	141.1	184.6	190.2	195.2	200.1	203.1	205.1
Sweden	64.5	83.2	97.1	110.9	112.7	110.0	111.5	115.7	119.1
Switzerland	60.3	76.8	94.5	98.4	97.8	100.6	100.7	101.4	103.6
European Community	1,310	1,660	2,070	2,360	2,490	2,540	2,620	2,710	2,740
Belgium	54.3	69.6	88.9	105.8	111.6	112.3	115.7	118.1	118.8
France	269.5	356.8	463.3	563.6	592.8	609.4	631.3	651.3	660.4
Italy	148.8	208.1	278.0	313.3	331.7	338.0	346.7	363.8	376.2
Netherlands	73.1	92.9	120.9	140.6	148.5	152.1	155.2	158.7	160.6
United Kingdom	323.8	379.0	428.6	473.2	493.0	497.9	515.9	522.8	508.7
West Germany	395.1	501.4	624.7	692.1	728.6	749.4	776.7	812.0	826.3
Less Developed Countries	560	740	1,030	1,440	1,530	1,620	1,690	1,760	1,810
Brazil	57.1	71.0	103.0	172.3	188.2	197.0	208.8	222.2	240.0
India	74.5	85.6	108.4	126.2	128.2	139.1	147.4	140.8	149.9
Mexico	49.0	68.2	95.1	125.3	127.9	132.2	141.4	152.7	164.0
South Korea	11.8	16.2	26.4	40.4	46.5	51.3	57.2	60.8	57.4
OPEC	150	207	304	470	516	550	555	562	550
Iran	58.5	83.5	141.3	220.2	244.7	249.6	204.6	155.6	104.2
Nigeria	23.6	29.8	40.0	54.1	60.1	63.4	66.4	71.5	77.0
Saudi Arabia	15.4	24.4	36.6	70.4	76.5	87.8	93.0	100.0	108.0
Venezuela	21.1	30.0	37.5	48.8	52.6	56.2	59.5	60.1	60.6
Communist Countries	1,130	1,380	1,840	2,320	2,390	2,490	2,570	2,640	2,690
USSR and Eastern Europe	935	1,120	1,480	1,840	1,890	1,950	1,980	2,000	2,020
USSR ^b	629.1	750.7	1,033.9	1,274.7	1,308.8	1,352.6	1,362.3	1,373.0	1,392.5
Eastern Europe ^c	306	369	445	563	582	598	616	624	627
Bulgaria	16.8	22.9	29.4	36.9	38.2	37.5	38.3	39.9	39.8
Czechoslovakia	67.1	75.5	89.4	105.5	107.3	111.7	113.6	114.8	117.1
East Germany	75.2	86.9	101.4	120.2	122.5	126.2	128.3	132.0	135.4
Hungary	29.3	35.5	41.2	48.5	48.2	51.4	52.6	52.7	52.8
Poland	77.3	96.3	117.2	160.4	164.1	166.8	172.9	169.5	165.0
Romania	40.0	51.9	66.1	91.4	101.7	104.8	110.7	115.4	116.5

Gross National Product in Purchasing Power Equivalents and Exchange Rate Equivalents

	Purchasing Power Equivalents ^a	Purchasing Power Equivalents ^b	Average 1980 Par Rate/Market Rate	Average 1979 Exchange Rate	Average 1973 Exchange Rate	February 1973 Exchange Rate	May 1972 Exchange Rate	April 1971 Exchange Rate
				Conversions	Conversions	Conversions	Conversions	Conversions
Gross National Product, 1980 (Billion 1980 US \$)								
OECD								
Belgium	N.A.	89.3	118.8	118.5	89.1	86.1	77.5	69.5
Denmark	N.A.	42.0	67.5	72.3	62.9	60.6	54.5	50.7
France	492.8	490.0	660.4	656.0	626.7	606.7	545.5	502.5
Italy	328.1	296.2	376.2	387.8	552.7	568.6	554.1	515.5
Japan	1,003.8	842.8 ^c	1,098.0	1,136.1	914.7	922.1	808.3	691.6
Netherlands	N.A.	91.3	160.6	159.2	114.2	109.3	98.4	88.2
Norway	N.A.	30.2	49.3	48.1	41.9	40.7	36.6	34.1
United Kingdom	379.2	356.5	508.7	463.9	536.2	544.5	569.8	524.8
West Germany	555.4	493.9	826.3	819.4	562.1	517.9	466.1	410.4
Gross National Product Per Capita, ^d 1980 (United States=100)								
OECD								
Belgium	N.A.	78	104	104	78	75	68	61
Denmark	N.A.	71	115	123	107	103	93	86
France	80	79	107	106	101	98	88	81
Italy	50	45	57	59	84	86	84	78
Japan	74	63	81	84	68	68	60	51
Netherlands	N.A.	56	99	98	70	67	60	54
Norway	N.A.	64	104	102	89	86	77	72
United Kingdom	59	55	79	72	83	84	88	81
West Germany	78	69	116	115	79	73	66	58

^a For the individual OECD countries, the ratios for converting GNP in national currencies at 1980 prices into 1980 US dollars on the basis of US purchasing power equivalents are derived from the 1970 ratios in *A System of International Comparisons of Gross Product and Purchasing Power*, published for the World Bank by The Johns Hopkins University Press, Baltimore and London, 1975, p. 9, using the geometric mean of foreign and US weighted ratios. These 1970 GDP parities were moved to 1980 by applying the following factor: the derived price index for each OECD country for 1971-80 divided by a derived price index for the United States for 1971-80. These price indexes were derived for each country by dividing the growth of GNP in current prices by the growth of GNP in constant prices. The ratios thus obtained were applied to the GNP values, given in the national currencies in 1980 prices.

^b For the individual European OECD countries, the ratios for converting GNP in national currencies at 1980 prices into 1980 US dollars on the basis of US purchasing power equivalents are derived from the 1950 ratios in Milton Gilbert and Associates, *Comparative National Products and Price Levels*, OEEC, Paris, 1958, using the geometric mean of European and US weighted ratios. These 1950 ratios were moved to 1980 by applying the following factor: the derived price index for each European country for 1951-80 divided by a derived price index for the United States for 1951-80. The ratios thus obtained were applied to the GNP values, given in the national currencies in 1980 prices.

^c Converted at US purchasing power equivalents in approximately the same manner as the data for the European countries.

^d Based on 1980 prices.

Table 12

Gross National Product, by End Use,
in the US and the USSR, 1980

	Billion 1976 US \$ ^a		USSR as a Percent of US
	US	USSR	
GNP ^b	1,928.5	1,037.2 ^b	54
of which:			
Consumption	1,360.7	550.4	40
New fixed investment	228.4	357.3	124

^a US data in market prices. Total Soviet GNP and the various end uses were converted to dollars not by the official rate of exchange but by the average purchasing power ratio of the dollar and the ruble calculated from actual or estimated prices paid for various goods and services in the two economies. For GNP as a whole and for each end-use component of GNP, these average ratios (ruble-dollar ratios) were estimated by weighting individual price ratios by both US and Soviet expenditure weights. The geometric mean of the US-weighted and Soviet-weighted ratios was then used for the conversion of Soviet values into dollars. The above GNP data should not, therefore, be used in conjunction with Soviet foreign trade data appearing in Tables 58-60. These latter tables use official foreign exchange rates to derive dollar values for trade; we have yet to estimate the value of Soviet foreign trade in terms of actual purchasing power, which would allow for an estimate of the share of foreign trade in Soviet national income.

The magnitudes for the Soviet end-use components were calculated to measure quantity of output compared with the United States but not the cost in resources. The share of total economic resources devoted to a particular end use or the share of total output originating in an individual sector (for example,

agriculture or industry) in the USSR should be measured in internal ruble prices and costs.

The identified end uses of GNP are defined as follows:

(1) Consumption includes personal expenditures for goods and services for all purposes and noninvestment outlays by government for goods and services for health and education.

(2) New fixed investment is defined as the sum of expenditures for gross private domestic investment net of inventories; for public construction other than that for military facilities; and for equipment purchased by the government except that for defense. Since part of new fixed investment in the United States is capital repair, one-half of Soviet expenditures on capital repair is included in Soviet new fixed investment.

Other uses of GNP include defense, space, research and development, inventory change, administration, net exports, and a statistical discrepancy. The total value for these expenditures cannot be derived for the USSR by subtraction, however.

^b The sum of the end-use components of Soviet GNP, valued in dollars, does not equal the dollar value of aggregate GNP, because of the use of average ruble-dollar ratios in converting from ruble values to dollar values.

Real Gross National Product Growth

	Average Annual Rate of Growth						1979	1978	1977	1976	1975	1974-75
	1961-65	1966-70	1971-75	1975	1976	1977						
OECD	5.4	4.8	3.2	-0.6	5.2	3.7	4.1	4.1	3.7	4.1	3.5	1.2
United States	4.7	3.2	2.6	-1.1	5.4	5.5	4.8	4.8	5.5	5.4	3.2	-0.2
Australia	4.9	6.1	3.6	2.2	4.1	0.6	2.8	2.8	0.6	4.1	2.8	3.0
Canada	5.4	4.8	5.0	1.2	5.5	2.2	3.4	3.4	2.2	5.5	2.7	Negl.
Japan	10.0	12.2	5.0	1.5	6.5	5.4	5.1	5.1	5.4	6.5	5.5	4.3
Spain	8.8	6.2	5.5	1.1	3.0	2.6	2.5	2.5	2.6	3.0	1.5	1.0
Sweden	5.2	3.1	2.7	2.5	1.6	-2.4	1.4	1.4	-2.4	1.6	3.7	3.0
Switzerland	5.0	4.2	0.8	-7.5	-0.6	2.9	0.1	0.1	2.9	-0.6	0.7	2.2
European Community	4.9	4.5	2.7	-1.3	5.2	2.2	3.3	3.3	2.2	5.2	3.3	0.9
Belgium	5.1	5.0	3.5	-1.8	5.5	0.7	3.0	3.0	0.7	5.5	2.1	0.5
France	5.8	5.4	4.0	0.2	5.2	2.8	3.7	3.7	2.8	5.2	3.5	1.6
Italy	6.9	6.0	2.4	-3.6	5.9	1.9	2.7	2.7	1.9	5.9	4.9	4.0
Netherlands	4.9	5.4	3.1	-1.9	5.6	2.4	2.1	2.1	2.4	5.6	2.3	1.2
United Kingdom	3.2	2.5	2.0	-0.7	4.2	1.0	3.7	3.7	1.0	4.2	1.1	-1.4
West Germany	4.9	4.5	2.1	-1.7	5.3	2.8	3.6	3.6	2.8	5.3	4.5	1.8
Less Developed Countries	5.8	6.8	6.9	4.0	6.7	5.8	4.0	4.0	5.8	6.7	4.1	2.8
OPEC	6.8	7.9	9.1	3.7	9.9	6.5	1.1	1.1	6.5	9.9	1.5	-2.2
Communist Countries												
USSR and Eastern Europe												
USSR ^a	5.0	5.2	3.7	1.7	4.8	3.2	3.4	3.4	3.2	4.8	0.8	1.5
Eastern Europe	3.8	3.8	4.8	4.1	3.4	2.8	3.0	3.0	2.8	3.4	1.3	0.4
Bulgaria	6.4	5.1	4.6	8.3	3.5	-1.8	2.1	2.1	-1.8	3.5	4.2	-0.3
Czechoslovakia	2.4	3.4	3.4	2.9	1.7	4.1	1.7	1.7	4.1	1.7	1.1	2.0
East Germany	2.9	3.1	3.5	3.8	1.9	3.0	1.7	1.7	3.0	1.9	2.9	2.6
Hungary	3.9	3.0	3.3	2.2	-0.6	6.6	2.3	2.3	6.6	-0.6	0.2	0.2
Poland	4.5	4.0	6.5	4.7	2.3	1.6	3.7	3.7	1.6	2.3	-2.0	-2.7
Romania	5.3	5.0	6.7	4.4	11.3	3.0	5.6	5.6	3.0	11.3	4.2	1.0
Other												
China	5.4	6.8	6.5	6.4	1.9	8.7	11.6	11.6	8.7	1.9	8.5	6.3
North Korea	9.7	5.8	10.4	7.5	-3.0	Negl.	7.2	7.2	Negl.	-3.0	3.8	3.7
Yugoslavia	6.1	5.1	5.7	3.8	4.2	7.9	6.7	6.7	7.9	4.2	7.0	3.0

^a At factor cost.

Table 14

Real Gross National Product Per Capita Growth

Percent

	Average Annual Rate of Growth							1979	1980
	1961-65	1966-70	1971-75	1975	1976	1977	1978		
OECD									
United States	3.2	2.1	1.5	-2.1	4.4	4.4	3.7	2.1	-1.3
Australia	2.9	3.9	1.9	0.8	3.4	-0.9	2.1	1.3	1.6
Canada	3.4	3.2	3.7	-0.2	4.1	0.8	2.6	1.8	-0.8
Japan	8.9	11.1	3.6	1.1	5.3	4.4	5.0	5.0	4.6
Sweden	4.7	2.4	2.2	0.8	1.6	-3.6	1.4	3.8	2.9
Switzerland	3.1	2.9	0.5	-6.9	1.0	2.9	0.1	0.7	2.2
European Community	3.9	3.8	2.1	-1.7	5.0	2.0	3.2	3.1	0.5
Belgium	4.4	4.6	3.1	-2.0	5.5	0.6	3.0	2.1	-0.4
France	4.4	4.5	3.2	-0.2	4.8	2.4	3.2	2.8	1.0
Italy	6.2	5.3	1.6	-4.1	5.1	1.4	2.2	4.6	3.2
Netherlands	3.5	4.2	2.0	-2.4	4.9	1.7	2.0	1.5	0.5
United Kingdom	2.5	2.1	1.8	-1.0	4.2	1.2	3.6	1.3	-2.9
West Germany	3.7	3.8	1.7	-1.8	5.8	3.0	3.8	4.5	1.3
Communist Countries									
USSR and Eastern Europe									
USSR	3.5	4.2	2.7	0.7	3.8	2.3	2.5	0.5	0.7
Eastern Europe	3.2	3.1	3.9	3.6	2.4	2.4	2.1	1.6	0.3
Bulgaria	5.5	4.4	4.1	8.3	2.2	-1.8	2.2	4.1	-1.3
Czechoslovakia	1.8	3.2	2.6	2.3	1.0	3.5	1.0	0.5	1.3
East Germany	3.1	3.2	3.9	3.8	2.5	3.0	1.6	3.5	2.6
Hungary	3.5	2.7	2.9	2.2	-1.5	6.5	1.4	0.2	0.3
Poland	3.4	3.2	5.5	3.5	1.4	0.8	2.8	-3.1	-3.5
Romania	4.7	3.7	5.7	3.0	10.3	1.6	4.6	3.8	Negl.
Other									
China	3.7	3.8	4.1	4.9	0.1	7.0	9.9	6.9	4.8
North Korea	6.8	2.5	7.2	4.1	-6.0	-3.3	4.2	0.5	0.5
Yugoslavia	4.9	4.2	3.9	2.8	3.0	6.7	5.8	6.0	2.1

Table 15

Percent

Selected Economic Indicators Growth ^a

	Average Annual Rate of Growth							
	1961-70	1971-74	1975	1976	1977	1978	1979	1980
Industrial production								
United States	5.0	4.7	-8.9	10.8	5.9	5.8	4.1	-3.6
Canada	6.2	6.5	-6.0	5.5	2.2	4.1	4.7	-1.6
Japan	13.6	4.8	10.5	11.0	4.2	6.2	8.3	7.1
France	5.8	5.4	-6.1	7.2	2.0	1.9	4.5	-1.0
Italy	7.0	4.6	-9.2	12.5	1.1	1.9	6.7	5.5
United Kingdom	2.8	2.0	-4.8	2.7	4.7	0.8	0.4	-8.7
West Germany	5.8	2.6	-5.5	8.8	1.9	1.7	4.9	0.2
Consumer prices								
United States	2.7	6.2	9.1	5.8	6.5	7.6	11.3	13.5
Canada	2.7	6.5	10.8	7.5	8.0	8.9	9.1	10.2
Japan	5.7	11.4	11.8	9.3	8.0	3.8	3.6	8.0
France	4.1	8.1	11.8	9.6	9.4	9.3	10.6	13.5
Italy	3.9	10.0	17.0	16.8	17.0	12.4	15.7	21.2
United Kingdom	4.1	10.4	24.2	16.6	15.8	8.2	13.4	18.0
West Germany	2.6	6.2	6.0	4.3	3.7	2.7	4.1	5.5
Export prices (unit values, US dollar basis)								
United States	2.0	12.1	11.8	3.6	4.0	7.0	16.0	10.6
Canada	1.4	13.8	6.5	5.6	-1.2	1.4	17.8	17.5
Japan	-0.4	16.3	0	-1.3	10.4	23.0	4.6	7.8
France	1.3	14.4	18.3	-2.1	6.9	14.5	16.1	11.7
Italy	0.5	14.7	12.8	-5.6	13.0	11.3	20.2	17.5
United Kingdom	N.A.	12.5	16.1	-1.9	14.1	19.6	22.6	N.A.
West Germany	2.6	14.7	13.0	1.6	9.6	15.7	12.8	7.9
Import prices (unit values, US dollar basis)								
United States	1.5	18.9	8.0	3.2	8.5	8.7	17.3	27.4
Canada	1.4	10.3	11.5	3.2	4.2	5.7	11.3	16.8
Japan	0.6	24.5	5.4	2.9	7.2	5.3	23.6	37.0
France	0.6	17.4	10.2	-0.9	8.7	10.0	16.8	19.4
Italy	1.1	23.6	5.8	-1.9	10.3	8.7	21.1	26.2
United Kingdom	N.A.	20.3	7.4	-1.0	12.1	13.9	22.6	N.A.
West Germany	1.5	16.1	5.3	2.9	10.5	11.5	20.3	15.3

Productivity in manufacturing (output per hour)											
United States	2.8	3.5	2.9	4.5	2.4	0.9	1.0	-0.5			
Canada	4.3	4.6	-2.6	4.8	5.0	3.1	1.2	-1.3			
Japan	10.8	7.4	-4.0	9.4	8.8	6.8	8.1	6.2			
France	5.8	5.0	3.0	8.3	4.5	4.9	4.7	3.3			
Italy	7.1	7.0	-4.4	8.6	1.1	3.1	9.0	-2.8			
United Kingdom	3.6	4.0	-2.3	4.0	-1.2	3.2	2.5	1.3			
West Germany	5.5	5.6	4.8	6.4	5.3	3.8	6.3	-0.7			
Unit labor costs in manufacturing (in US dollars)											
United States	1.8	3.7	8.7	3.5	5.7	7.3	8.6	11.1			
Canada	0.4	7.0	13.3	12.4	-0.4	-2.8	5.8	11.1			
Japan	3.2	18.8	10.6	-1.9	12.1	27.9	-5.1	-0.7			
France	1.7	12.9	30.4	-5.1	5.8	17.5	15.1	13.2			
Italy	4.5	11.3	34.4	-13.2	10.5	15.6	12.0	10.4			
United Kingdom	2.1	10.0	25.9	-8.7	7.3	26.2	26.9	34.5			
West Germany	5.0	17.0	13.1	-1.6	13.1	21.0	12.4	9.7			
Export Volume											
United States	5.9	9.9	-1.8	3.3	1.2	10.9	11.3	6.8			
Canada	9.8	5.5	-7.2	11.9	9.0	9.9	1.7	-0.8			
Japan	17.5	12.4	0.3	21.3	9.5	-1.2	-0.5	18.1			
France	8.5	10.8	-4.1	9.1	6.6	6.0	10.1	N.A.			
Italy	12.8	7.2	2.3	12.2	7.9	11.4	7.1	-7.9			
United Kingdom	4.8	6.7	-4.0	9.7	8.4	2.2	3.7	1.9			
West Germany	9.5	7.5	-6.0	11.3	5.5	4.1	7.2	4.1			
Import Volume											
United States	8.7	5.7	-9.6	21.5	12.3	7.7	0.5	-6.8			
Canada	7.9	13.3	-5.6	7.8	0.5	3.3	10.9	-5.7			
Japan	14.7	8.1	-11.5	7.9	3.0	6.3	11.2	-5.9			
France	10.9	9.8	-7.0	20.8	0.8	5.2	11.6	5.1			
Italy	11.0	4.0	-11.4	15.2	-0.8	8.7	13.5	1.9			
United Kingdom	4.4	7.4	-8.9	5.5	1.5	5.0	11.6	-5.1			
West Germany	10.3	3.1	5.0	14.4	3.7	7.5	9.0	2.2			

^a Growth rates were derived from unrounded data.

Economic Indicators for Selected Non-OPEC Less Developed Countries

	1973	1974	1975	1976	1977	1978	1979	1980
Industrial Production								
India	1.6	2.0	4.7	9.8	5.2	6.9	1.2	0.4
Mexico	10.1	7.3	4.7	2.7	3.4	9.9	9.9	8.2
South Korea	33.5	27.5	18.9	29.7	19.9	22.9	11.7	-1.7
China (Taiwan)	20.5	-1.4	5.4	24.8	12.1	25.2	8.6	1.6
Consumer Price Inflation								
Brazil	12.6	27.6	29.0	41.8	43.7	38.7	52.7	82.8
India	17.8	27.8	5.6	-7.8	8.5	2.5	6.3	11.5
Mexico	12.0	23.8	15.2	15.8	28.9	17.5	18.2	26.3
South Korea	3.1	23.8	26.3	15.3	10.1	14.4	18.3	28.7
China (Taiwan)	8.2	47.5	5.2	2.5	7.0	5.8	9.8	19.3
Wholesale Price Inflation								
Brazil	15.3	29.0	27.8	40.4	40.6	37.4	55.9	106.3
India	16.5	28.4	3.9	-1.9	7.5	-0.3	11.7	20.0
Mexico	16.0	22.4	10.4	22.4	41.2	15.7	18.3	24.4
South Korea	6.9	42.1	26.1	12.1	9.1	11.7	18.8	38.9
China (Taiwan)	22.9	34.0	-5.1	2.8	2.4	3.5	13.8	21.6
Money Supply								
Brazil	41.8	37.1	33.6	40.3	38.4	38.6	51.6	74.0
India	16.5	14.3	8.1	15.5	18.9	21.4	17.4	13.0
Mexico	25.1	20.8	22.3	22.9	27.3	33.9	35.6	32.2
South Korea	51.4	26.3	26.1	30.8	39.0	28.2	20.7	16.3
China (Taiwan)	41.2	19.1	21.2	18.5	24.7	34.1	7.0	16.7

Table 17

Current Account Balance ^a

Million US \$

	1960	1965	1970	1975	1976	1977	1978	1979	1980 ^b
OECD									
United States	N.A.	N.A.	12,100	-13,100	-4,460	-11,700	30,100	-11,400	-19,100
Canada	4,817	7,706	4,670	22,270	8,740	-9,990	-9,510	4,590	6,450
Japan	-1,219	-916	996	-4,695	-3,984	-4,133	-4,205	-4,532	1,694
	223	1,025	2,180	-420	3,960	11,220	18,000	-7,890	-9,540
European Community	2,870	2,420	5,620	8,260	729	9,840	27,500	1,120	-32,800
Belgium ^c	160	212	1,016	774	317	-260	-490	-2,726	-5,600
Denmark	-62	-175	-510	-600	-2,177	-2,119	-2,090	-3,331	-2,662
France	719 ^d	581 ^d	289	1,100	-4,841	-1,561	5,243	2,838	-5,400
Ireland	-9	-124	-197	-259	-473	-722	-995	-2,217	-550
Italy	371	2,353	1,424	710	-1,583	4,194	9,227	7,977	-9,000
Netherlands	372	46	-420	2,369	2,805	911	-905	-2,058	-2,240
United Kingdom	-460	357	2,323	-2,983	-559	1,490	4,470	1,063	900
West Germany	1,779	-825	1,690	7,150	7,240	7,910	13,000	-430	-8,250
Non-OPEC Less Developed Countries	N.A.	N.A.	-8,520	-36,300	-25,900	-20,700	-30,600	-45,000	-67,000
Brazil	-534	248	-861	-6,990	-6,560	-5,120	-7,037	-10,500	-13,200
Mexico	-326	-403	-1,075	-4,068	-3,435	-1,870	-2,626	-4,865	-6,600
South Korea	243	-125	-706	-1,955	-460	-50	-1,125	-4,190	-5,500
China (Taiwan)	-125	-80	5	-587	313	931	1,677	103	-1,500
OPEC ^c	N.A.	N.A.	588	29,000	33,000	21,000	-3,000	60,000	103,000
Iran	-125	-104	-511	4,725	4,734	5,091	2,300	21,200	N.A.
Saudi Arabia	190	89	152	17,059	17,127	16,679	2,875	14,359	50,000
Venezuela	394	36	-98	2,201	319	-3,128	-5,698	-267	3,000

^a Including goods, services, and private transfers.^b Preliminary.^c Including Luxembourg.^d Excluding overseas departments and territories.^e Data prior to 1975 are from the *International Financial Statistics*.

International Reserves ^a

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD									
United States	19,359	15,450	14,487	15,882	18,319	19,393	19,582	19,984	27,396
Australia	743	1,317	1,693	3,257	3,169	2,383	2,418	1,790	2,044
Austria	714	1,305	1,751	4,439	4,409	4,243	6,007	5,048	6,223
Canada	1,998	3,037	4,679	5,325	5,843	4,607	4,569	3,887	4,029
Japan	1,949	2,152	4,840	12,815	16,605	23,260	33,500	20,639	25,719
Portugal	635	938	1,504	1,534	1,301	1,391	1,881	1,952	1,786
Spain	541	1,422	1,817	6,090	5,284	6,590	10,774	13,898	12,514
Switzerland	2,324	3,444	5,132	10,428	12,993	13,829	21,560	20,275	19,375
European Community									
Belgium	1,507	2,334	2,847	5,797	5,206	5,761	5,908	6,991	9,212
France	2,272	6,343	4,960	12,593	9,728	10,194	13,929	21,357	30,995
Italy	3,251	4,800	5,352	4,774	6,654	11,630	14,899	21,274	26,117
Netherlands	1,861	2,413	3,241	7,109	7,386	8,066	7,586	9,619	13,607
United Kingdom	3,719	3,004	2,827	5,459	4,230	21,057	17,067	20,585	21,492
West Germany	7,033	7,430	13,610	31,034	34,801	39,737	53,883	56,940	52,260
Latin America									
Brazil	345	484	1,187	4,034	6,541	7,255	11,900	9,046	5,853
Venezuela	609	819	1,021	8,860	8,579	8,214	6,554	7,849	7,116
Middle East									
Iran	183	251	208	8,896	8,833	12,266	12,151	15,389	N.A.
Saudi Arabia	185	726	662	23,320	27,025	30,034	19,408	19,485	23,641
Africa									
Libya	82	246	1,590	2,195	3,205	4,890	4,217	6,458	13,229
Nigeria	343	239	222	5,610	5,203	4,259	1,916	5,576	10,263
Communist Countries									
USSR	2,800	1,500	2,800	5,628	7,083	6,815	8,213	11,114	11,297
Yugoslavia	13	103	140	871	2,049	2,109	2,462	1,336	1,467

^a Including gold and foreign exchange. Data for the non-Communist countries also include special drawing rights and the reserve position in the International Monetary Fund. Data before 1975 are expressed in terms of US dollars at the official par values and, in 1975-80, reflect the realignments of the exchange rates and the revaluations of the dollar price of gold. Gold is valued at 35 SDR per ounce.

Agricultural Production Index

	1965	1970	1975	1976	1977	1978	1979	1980
Developed Countries	92	100	113	114	117	122	122	120
United States ^a	97	100	113	116	118	121	128	122
Canada	107	100	115	128	128	132	124	127
European Community								
France	95	100	108	107	108	114	122	126
Italy	89	100	107	105	106	110	116	116
United Kingdom	92	100	104	100	111	114	118	121
West Germany	85	100	102	100	106	113	113	114
Oceania	85	100	120	128	125	142	137	122
Less Developed Countries	85	100	115	119	121	127	129	132
Africa	88	100	108	111	109	113	115	118
Far East	81	100	113	114	122	125	123	127
Latin America	88	100	115	121	125	129	134	137
Middle East	85	100	122	129	127	133	132	137
Communist Countries								
USSR and Eastern Europe								
USSR	83	100	98	106	111	115	108	103
Eastern Europe ^b	91	100	119	122	125	129	128	126
Bulgaria	91	100	110	115	108	114	121	115
Czechoslovakia	83	100	114	112	120	120	122	126
East Germany	94	100	118	118	121	121	122	125
Hungary	91	100	125	126	140	142	142	144
Poland	92	100	118	116	118	125	121	113
Romania	92	100	133	155	153	156	161	153
Other								
China ^c	80	100	118	118	114	124	133	132
North Korea ^d	90	100	154	160	170	170	180	180
Yugoslavia	87	100	117	127	134	130	132	134

^a Excluding production of seeds and of feed for horses and mules.

^b Estimates based on the value of crop production plus the value of livestock products, with allowance for changes in livestock numbers, but minus feed (including grain imported for feed), seed, and waste. FAO, East European, and Soviet wheat price relatives for 1961-65 were used to compute the indexes.

^c Based on estimates of grain and cotton production.

^d Based on official grain claims.

Table 20

1970=100

Index of Industrial Production for Communist Countries

	1960	1965	1970	1975	1976	1977	1978	1979	1980 ^a
USSR and Eastern Europe ^b									
USSR									
Official	44	67	100	143	150	159	166	172	178
Adjusted	54	74	100	133	138	144	149	153	159
Eastern Europe ^c									
Adjusted	55	76	100	133	139	144	148	152	154
Bulgaria									
Official	34	60	100	155	164	175	187	199	207
Adjusted	34	66	100	132	137	139	145	150	153
Czechoslovakia									
Official	55	72	100	138	146	154	162	168	174
Adjusted	64	81	100	121	126	130	133	135	138
East Germany									
Official	55	73	100	137	145	153	158	164	172
Adjusted	65	83	100	118	122	125	128	133	136
Hungary									
Official	52	74	100	136	142	152	159	163	160
Adjusted	56	84	100	114	117	123	127	128	127
Poland									
Official	45	67	100	164	179	192	200	206	200
Adjusted	51	74	100	144	147	150	152	150	148
Romania									
Official	30	51	100	184	205	231	252	272	290
Adjusted	35	58	100	155	168	181	193	202	211
Other									
North Korea ^d									
Official	30	58	100	228	247	275	322	370	433

^a Preliminary.

^b The official indexes purportedly measure changes in the gross value of industrial production. In general, the gross value of production equals the sum of the value of output of all industrial enterprises. As a result, since both intermediate and final goods are included in the value of output of each enterprise, industrial products are double-counted. If, as the evidence suggests, intermediate product (for example rolled metal) increases relative to final product (for example machine tools) inflation of output from increased double-counting takes place. In addition to inflation in the official indicator from this source, disguised inflation also enters the index through new-product pricing, where minor product improvements result in a new-product price that is substantially higher than can be justified by either improved quality or increased production costs. Because output of

these "new" products grows from a small base, their rates of growth will proceed at a higher rate than those of "old" products.

Adjusted indexes of industrial production—parallel to those used by the Federal Reserve Board for measuring US industrial output—are constructed in order to circumvent most of these distortions, that is, price-weighted samples of several final products form output indexes for various industrial components and these component indexes are combined into an aggregate index for industry by use of value-added weights.

^c An official index is not published.

^d An adjusted index is not available.

Table 21

1970 = 100

Index of Industrial Production for Selected Countries ^a

	1960	1965	1970	1975	1976	1977	1978	1979	1980 ^b
OECD									
United States	61	83	100	109	121	128	136	141	136
Canada	56	78	100	121	128	131	136	140	140
Japan	28	49	100	110	122	127	135	146	156
European Community									
France	57	73	100	112	122	123	127	132	131
Italy	51	71	100	108	121	121	123	131	138
United Kingdom	76	88	100	103	106	111	114	118	110
West Germany	57	75	100	105	112	116	119	125	125
Communist Countries									
USSR and Eastern Europe									
USSR ^c	54	74	100	133	138	144	149	153	159
Eastern Europe	55	76	100	133	139	144	148	152	154
Bulgaria	34	66	100	132	137	139	145	150	153
Czechoslovakia	64	81	100	121	126	130	133	135	138
East Germany	65	83	100	118	122	125	128	133	136
Hungary	56	84	100	114	117	123	127	128	127
Poland	51	74	100	144	147	150	152	150	148
Romania	35	58	100	155	168	181	193	202	211
Other									
China ^d	57	63	100	159	159	181	206	223	242
Yugoslavia	46	77	100	147	153	167	182	196	204

^a Indexes for the non-Communist countries are value-added weighted indexes of intermediate and final products of industry. Industry includes manufacturing, mining, and, in most countries, public utilities. The indexes for the Communist countries are estimates of CIA (see Table 20 for detailed explanation)—constructed as nearly as possible on the same basis as the indexes for Western countries—or other calculations accepted by CIA. The indexes for the Communist countries include manufacturing, mining, and public utilities.

^b Preliminary.

^c Index of gross values of output for individual commodities and branches are aggregated by 1970 value-added weights. The three sectors covered—materials,

machinery, and nondurable consumer goods—constitute 49.66 percent, 32.36 percent, and 17.98 percent, respectively, of the value-added weights for industrial production. This index is as comparable as data will permit with the index of US industrial production of the US Federal Reserve Board.

^d CIA estimates were computed by applying value-added weights to data for commodity production. The data are fragmentary and uncertain; therefore, the index should be regarded as providing only a tentative indication of the general level and trend in production.

Table 22

Defense Expenditures as a Share of Gross National Product

	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD ^a									
Australia	4.4	3.4	2.5	2.2	2.6	2.7	2.6	2.6	N.A.
Austria	1.2	1.1	1.0	1.0	1.2	1.1	1.1	1.3	N.A.
Belgium	3.1	2.9	2.7	2.7	3.0	3.1	3.1	3.3	3.3
Canada	3.0	2.4	2.0	2.0	1.9	1.9	2.0	2.0	1.9
Denmark	2.8	2.3	2.0	2.3	2.5	2.3	2.3	2.4	N.A.
Finland	1.7	1.5	1.6	1.5	1.7	1.6	1.4	1.5	N.A.
France	5.2	4.2	3.8	3.7	3.8	3.8	3.9	3.9	3.9
Greece	3.5	4.7	4.0	4.1	6.4	5.2	4.5	6.4	5.6
Ireland	1.4	1.1	1.3	1.3	1.8	1.6	1.6	1.6	N.A.
Italy	3.3	2.7	2.9	2.8	2.7	2.5	2.6	2.4	2.4
Japan	1.0	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9
Luxembourg	1.4	0.8	0.7	0.7	0.8	0.9	0.9	0.9	N.A.
Netherlands	4.0	3.4	3.2	3.3	3.5	3.3	3.5	3.2	3.4
New Zealand	2.1	2.0	1.6	1.8	1.8	1.7	1.8	1.8	N.A.
Norway	3.8	3.5	3.2	3.1	3.3	3.2	3.2	3.4	3.3
Portugal	6.0	6.5	5.4	6.8	4.9	3.8	3.4	3.3	3.2
Spain	2.7	3.1	2.7	2.7	2.7	2.5	1.8	1.7	N.A.
Sweden	3.9	3.6	3.6	3.5	3.4	3.3	3.4	3.4	N.A.
Switzerland	2.6	2.1	1.9	1.9	1.9	2.1	2.0	2.0	N.A.
Turkey	5.0	4.2	3.9	3.7	4.4	5.5	5.3	5.1	4.3
United Kingdom	5.9	4.7	4.8	5.0	5.0	5.0	4.9	4.7	4.8
United States ^b	7.8	8.0	5.7	5.4	5.4	5.2	5.0	5.1	N.A.
West Germany	4.3	3.3	3.5	3.6	3.6	3.5	3.4	3.3	3.3
Less Developed Countries	N.A.	6.1	5.9	5.8	6.1	6.2	5.7	7.7	N.A.
OPEC	N.A.	5.6	6.1	6.7	8.5	8.9	7.8	7.8	5.5
Iran	N.A.	7.8	8.3	11.8	14.3	13.5	11.6	14.6	N.A.
Nigeria	N.A.	5.9	5.1	3.8	4.4	4.9	4.9	3.5	2.5
Saudi Arabia	N.A.	11.9	13.2	10.7	18.2	21.5	16.0	15.6	18.8

^a Except for the United States, data are from the United States Arms Control and Disarmament Agency, *World Military Expenditures and Arms Transfers*, based on the ratio of military expenditures to GNP at current market prices. Military expenditures are for current and capital expenditures to meet the needs of the armed forces, including expenditures of national defense agencies for military programs; expenditures for the military

components of such mixed activities as atomic energy, space, and research and development; military assistance to foreign countries; and expenditures on paramilitary forces where they contribute substantially to a country's military capabilities.

^b Based on the ratio of military expenditures to GNP in constant 1976 prices.

Table 23

Million US \$

Eastern Europe: Gross and Net Hard Currency Debt to the West

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Total										
Gross	6,072	7,398	9,762	15,352	23,033	29,351	36,695	46,901	57,633	62,524
Net	4,927	5,723	7,950	12,732	18,657	25,297	32,860	42,267	51,220	56,200
Bulgaria										
Gross	743	1,009	1,020	1,703	2,640	3,198	3,707	4,263	4,415	3,774
Net	723	909	997	1,360	2,257	2,756	3,169	3,710	3,700	3,000
Czechoslovakia										
Gross	485	630	757	1,048	1,132	1,862	2,616	3,206	4,099	4,557
Net	160	176	273	640	827	1,434	2,121	2,513	3,070	3,300
East Germany										
Gross	1,408	1,554	2,136	3,136	5,188	5,856	7,145	8,894	10,912	11,736
Net	1,205	1,229	1,876	2,592	3,548	5,047	6,159	7,548	8,950	9,700
Hungary										
Gross	1,071	1,392	1,442	2,129	3,135	4,049	5,655	7,473	8,529	8,476
Net	848	1,055	1,096	1,537	2,195	2,852	4,491	6,532	7,300	7,100
Poland										
Gross	1,138	1,564	2,796	4,643	8,014	11,483	13,967	17,844	22,669	25,120
Net	764	1,150	2,213	4,120	7,381	10,680	13,532	16,972	21,500	24,500
Romania										
Gross	1,227	1,249	1,611	2,693	2,924	2,903	3,605	5,221	7,009	8,861
Net	1,227	1,204	1,495	2,483	2,449	2,528	3,388	4,992	6,700	8,600

Table 24

Metal Prices

	1960	1965	1970	1975	1976	1977	1978	1979	1980
Aluminum ^a (US cents per pound)	27.23	24.50	28.72	39.79	44.34	51.34	53.90	60.09	71.64
Copper ^b (US cents per pound)	30.74	58.51	64.17	55.85	63.62	59.33	61.90	89.82	98.68
Lead ^c (US cents per pound)	9.02	14.39	13.78	18.66	20.38	27.90	29.90	54.32	41.10
Nickel ^d (US cents per pound)	74.00	78.70	129.00	205.83	225.58	230.08	204.58	273.41	347.25
Tin ^e (US cents per pound)	99.60	179.40	166.70	310.20	345.87	489.20	581.10	698.80	761.30
Zinc ^f (US cents per pound)	11.09	14.11	13.40	33.68	32.15	26.70	26.90	33.40	34.40
Silver ^g (US \$ per troy ounce)	0.91	1.29	1.77	4.42	4.35	4.64	5.42	11.05	20.59
Gold ^h (US \$ per troy ounce)	35.28	35.13	35.98	160.47	124.03	147.70	193.20	306.80	612.10
Platinum ⁱ (US \$ per troy ounce)	83.21	98.04	132.50	164.50	165.35	167.41	237.90	351.50	439.50
Iron Ore ^j (US \$ per metric ton)	17	16	15	23	22	22	19	24	27
Manganese ^k (US \$ per metric ton)	87	75	54	138	145	148	142	137	153
Steel scrap ^l (US \$ per long ton)	33.20	34.27	44.95	71.86	77.79	64.20	78.90	99.40	91.20
Chrome ore ^m (US \$ per metric ton)	18.93	19.31	23.12	39.78	40.50	55.80	56.20	56.00	54.50
Finished steel composite ⁿ (US cents per pound)	6.20	6.37	7.65	13.10	14.21	15.58	17.96	19.98	21.71

^a Virgin unalloyed ingot at New York.^b London Metal Exchange electrolytic wirebars.^c London Metal Exchange refined pig lead, minimum 99.97 percent.^d US major producer of cathodes, spot, f.o.b. refinery.^e London Metal Exchange.^f US price (New York).^g Major producers, New York.^h Brazil (North Sea ports).ⁱ India (US ports).^j Number 1, heavy melting average.^k South African ports.^l Weighted index of steel shapes.

Table 25

Agricultural Prices

US \$ per Metric Ton

	1960	1965	1970	1975	1976	1977	1978	1979	1980
Coffee ^a	807	965	1,230	1,821	3,295	5,890	3,643	3,935	4,603
Corn ^b	50	56	58	119	112	95	101	116	126
Cotton ^c	692	670	653	994	1,499	1,358	1,270	1,369	1,792
Palm oil ^d	228	273	260	429	407	580	600	654	583
Rice ^e	179	183	190	419	309	333	399	381	496
Soybeans ^f	92	117	117	220	231	279	268	297	297
Soybean meal ^g	78	94	103	155	198	229	214	243	260
Soybean oil ^h	224	270	291	563	414	574	607	663	598
Sugar ⁱ	69	47	83	452	255	177	172	213	630
Tea ^j	1,422	1,280	1,092	1,375	1,540	2,641	2,187	2,158	2,235
Wheat ^k	58	60	55	149	133	103	128	160	173
Beef ^l	N.A.	882	1,304	1,327	1,588	1,508	2,140	2,888	2,775
Rubber, natural ^m	842	567	465	659	873	917	1,102	1,415	1,620
Cocoa ⁿ	N.A.	355	655	1,239	2,079	3,792	3,362	3,181	2,502

^a From Santos, No. 4, New York spot.^b US No. 2 yellow, f.o.b. Gulf ports.^c US, domestic middling 1 inch, 12 markets.^d United Kingdom 5 percent bulk, c.i.f.^e US No. 2, milled, f.o.b., New Orleans.^f US No. 2, bulk, c.i.f., Rotterdam.^g US, 44 percent extraction, c.i.f., Rotterdam.^h All origins, f.o.b., Netherlands.ⁱ Caribbean, raw, f.a.s., No. 11 bulk, New York spot.^j London, average price all teas.^k US No. 1, hard winter, ordinary protein, f.o.b. Gulf ports.^l Boneless Australian, f.o.b., New York.^m Smoked sheets, New York.ⁿ New York cocoa bean futures prices. Average of nearest three active futures trading months.

OPEC Countries: Crude Oil Official Sales Price ^a

	1973 ^b	1974	1975	1976	1977	1978	1979	1980
OPEC ^c	3.39	11.28	11.02	11.77	12.88	12.93	18.67	30.87
Algeria (42° API, 0.10% sulfur)	4.79	13.33	12.06	13.01	14.37	14.14	19.65	37.59
Ecuador (28° API, 0.93% sulfur)	3.67	10.58	11.05	11.46	12.90	12.33	22.41	34.42
Gabon (29° API, 1.26% sulfur)	3.32	9.56	10.47	11.55	12.80	12.80	18.20	31.09
Indonesia (35° API, 0.09% sulfur)	4.00	11.93	12.65	12.80	13.55	13.55	18.35	30.55
Iran (34° API, 1.35% sulfur)	3.24	11.10	10.91	11.62	12.81	12.81	19.45	34.54
Iraq (35° API, 1.95% sulfur)	3.03	10.77	10.74	11.46	12.61	12.62	18.56	30.30
Kuwait (31° API, 2.50% sulfur)	2.93	10.79	10.60	11.26	12.37	12.26	18.48	29.84
Libya (40° API, 0.22% sulfur)	4.82	13.90	11.71	12.47	14.06	13.89	21.16	36.07
Nigeria (34° API, 0.16% sulfur)	4.50	13.00	11.90	12.93	14.45	14.07	20.86	35.50
Qatar (40° API, 1.17% sulfur)	3.29	11.61	11.34	11.85	13.19	13.19	19.72	31.76
Saudi Arabia, Arab light (34° API, 1.70% sulfur)	3.06	10.89	10.72	11.51	12.40	12.70	17.26	28.67
United Arab Emirates (39° API, 0.75% sulfur)	3.30	11.57	11.13	11.92	12.88	13.26	19.81	31.57
Venezuela (26° API, 1.52% sulfur)	2.91	9.54	10.63	11.33	12.75	12.75	17.22	28.44

^a F.o.b. prices set by the government for direct sales and, in most cases, for the producing company buy-back oil.

^b Posted prices.

^c Weighted by the volume of production.

Table 27

1970=100

Consumer Price Index

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD									
United States	76	81	100	139	147	156	168	187	212
Canada	77	83	100	142	153	165	180	197	217
Japan	57	77	100	172	188	204	211	219	237
European Community									
Belgium	74	84	100	150	163	175	183	189	203
France	67	81	100	152	167	182	199	220	250
Italy	68	87	100	171	199	237	265	305	369
Netherlands	66	79	100	151	165	175	182	190	202
United Kingdom	67	80	100	184	215	249	270	306	361
West Germany	77	88	100	135	141	146	150	156	165
Communist Countries									
USSR ^a	90	97	100	110	111	113	115	117	119
Eastern Europe ^b									
Bulgaria ^c	73	86	100	116	120	127	131	138	150
Czechoslovakia	73	81	100	111	113	114	116	121	126
East Germany	89	94	100	102	104	107	108	110	112
Hungary	81	87	100	122	131	136	140	155	169
Poland	78	87	100	130	139	148	163	179	199
Other									
Yugoslavia	31	59	100	242	269	308	350	425	553

^a Implicit price index obtained from a comparison of indexes of goods sold in the retail trade network in constant and in current prices. The current price index is based on the values of total retail and collective farm market sales in current prices regularly published in Soviet statistical abstracts. The index in constant prices is derived from the goods components of the CIA index of total consumption. A more complete explanation of the methodology and a discussion of the relative merits of an "official" or "alternative" price index are contained in "Soviet Economy in a New Perspective," US Congress, Joint Economic Committee, 14 October 1976, p. 631.

^b Calculated differently from that for the USSR; the official index of personal consumption in current prices was deflated by a calculated index of personal consumption in constant prices. An explanation of the methodology used to calculate personal consumption is presented in T. P. Alton, "Index of Personal Consumption in Poland, 1937 and 1946-1967," *Occasional Papers of the Research Projection National Income in East Central Europe* (NY: L. W. International Financial Research, Inc., 1973).

^c Price indexes are calculated from official figures for total consumption of the population, including estimates of health and education expenses.

Wholesale Price Index in Non-Communist Countries

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD									
United States	85	87	100	148	154	164	176	196	222
Canada	81	88	100	172	179	196	215	246	279
Japan	89	90	100	157	165	168	163	176	207
European Community									
Belgium ^a	82	90	100	137	147	151	148	157	166
France ^b	77	85	100	149	160	169	176	200	218
Italy	77	88	100	192	236	276	299	347	416
Netherlands ^c	81	90	100	137	147	155	158	162	174
United Kingdom ^c	74	84	100	189	220	265	288	323	376
West Germany ^{a c}	88	94	100	137	144	147	146	155	169

^a Excluding the value added tax.^b Intermediate goods prices.^c Industrial goods prices.

Table 29

Million Persons at Midyear

Population

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD	641.8	681.6	715.4	751.2	756.9	763.0	768.7	774.6	780.8
United States	180.7	194.3	205.0	216.1	218.1	220.3	222.6	225.0	227.6
Australia	10.4	11.4	12.7	13.8	13.9	14.1	14.2	14.4	14.6
Austria	7.0	7.3	7.4	7.5	7.5	7.5	7.5	7.5	7.5
Canada	17.9	19.7	21.3	22.7	23.0	23.3	23.5	23.7	23.9
Finland	4.4	4.6	4.6	4.7	4.7	4.7	4.8	4.8	4.8
Greece	8.3	8.6	8.8	9.0	9.2	9.3	9.4	9.4	9.5
Iceland	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Japan	94.1	98.9	104.3	111.6	112.8	113.9	114.9	115.9	116.8
New Zealand	2.4	2.6	2.8	3.1	3.1	3.1	3.1	3.1	3.1
Norway	3.6	3.7	3.9	4.0	4.0	4.0	4.1	4.1	4.1
Portugal	9.0	9.1	9.0	9.4	9.7	9.7	9.8	9.8	9.9
Spain	30.5	32.1	33.9	35.5	35.9	36.4	36.8	37.1	37.4
Sweden	7.5	7.7	8.0	8.2	8.2	8.3	8.3	8.3	8.3
Switzerland	5.4	5.9	6.3	6.4	6.3	6.3	6.3	6.3	6.3
Turkey	28.2	32.0	35.7	40.5	41.5	42.5	43.5	44.6	45.6
European Community	232.2	243.4	251.5	258.5	258.8	259.4	259.7	260.4	261.2
Belgium	9.1	9.4	9.6	9.8	9.8	9.8	9.8	9.8	9.9
Denmark	4.6	4.8	4.9	5.1	5.1	5.1	5.1	5.1	5.1
France	45.7	48.8	50.8	52.7	52.9	53.1	53.3	53.5	53.7
Ireland	2.8	2.9	3.0	3.2	3.2	3.3	3.3	3.4	3.4
Italy	50.2	52.0	53.7	55.8	56.2	56.5	56.7	56.9	57.0
Luxembourg	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4
Netherlands	11.5	12.3	13.0	13.7	13.8	13.9	13.9	14.0	14.1
United Kingdom	52.6	54.4	55.5	56.0	56.0	55.9	55.9	55.9	56.0
West Germany	55.4	58.6	60.7	61.8	61.5	61.4	61.3	61.3	61.6
Less Developed Countries									
Bangladesh	53.6	61.0	69.7	79.2	81.3	83.5	85.8	88.1	90.5
Burma	21.7	24.2	27.1	30.5	31.2	32.0	32.8	33.6	34.4
Brazil	71.7	83.1	95.7	108.5	111.1	113.7	116.4	119.2	122.0
Egypt	26.3	29.8	33.3	36.8	37.7	38.6	39.7	40.8	42.0
India	445.9	494.9	553.6	616.6	629.8	642.6	654.9	667.3	679.8
Indonesia	100.7	112.3	122.7	136.6	139.3	142.2	145.1	148.1	151.2
Iran	21.6	25.0	28.9	33.3	34.3	35.4	36.4	37.4	38.4

Table 29 (continued)

Million Persons at Midyear

Population

	1960	1965	1970	1975	1976	1977	1978	1979	1980
Mexico	36.2	42.6	50.1	58.7	60.5	62.3	64.1	65.8	67.4
Nigeria	42.4	48.7	56.3	65.7	67.8	69.9	72.2	74.6	77.1
Philippines	27.9	32.4	37.5	43.1	44.2	45.4	46.5	47.7	48.9
South Korea	25.1	29.1	33.0	36.7	37.3	37.9	38.5	39.1	39.8
Thailand	27.5	32.1	37.1	42.4	43.5	44.6	45.6	46.7	47.8
Communist Countries	1,072.3	1,156.2	1,293.7	1,419.0	1,440.7	1,461.2	1,481.2	1,500.8	1,520.6
USSR and Eastern Europe	311.0	330.7	345.8	360.6	363.6	366.5	369.5	372.1	374.9
USSR	214.3	230.9	242.8	254.5	256.8	259.0	261.3	263.4	265.5
Eastern Europe	96.7	99.8	103.0	106.1	106.8	107.5	108.2	108.7	109.4
Bulgaria	7.9	8.2	8.5	8.7	8.8	8.8	8.8	8.8	8.9
Czechoslovakia	13.7	14.1	14.3	14.8	14.9	15.0	15.1	15.2	15.3
East Germany	17.1	17.0	17.1	16.9	16.8	16.8	16.8	16.7	16.7
Hungary	10.0	10.2	10.3	10.5	10.6	10.6	10.7	10.7	10.7
Poland	29.6	31.3	32.5	34.0	34.3	34.6	34.9	35.3	35.6
Romania	18.4	19.0	20.3	21.2	21.4	21.7	21.9	22.0	22.2
Other									
Albania	1.6	1.9	2.1	2.4	2.5	2.5	2.6	2.6	2.7
China	681.6	736.1	848.3	949.7	966.7	982.2	997.2	1,012.2	1,027.0
Cuba	7.0	7.8	8.6	9.3	9.5	9.6	9.7	9.8	9.8
Kampuchea	5.4	6.1	7.1	6.7	6.2	6.0	5.9	5.8	5.6
Laos	2.4	2.7	3.0	3.3	3.3	3.4	3.4	3.4	3.5
Mongolia	1.0	1.1	1.2	1.4	1.5	1.5	1.6	1.6	1.7
North Korea	10.6	12.2	14.2	16.5	17.0	17.6	18.1	18.7	19.3
Vietnam	33.3	38.2	43.0	47.7	48.8	50.1	51.2	52.4	53.7
Yugoslavia	18.4	19.4	20.4	21.4	21.6	21.8	22.0	22.2	22.4

Table 30

Million Persons at Midyear

Labor Force ^a

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD									
United States ^b	72.14	77.18	85.90	94.79	96.92	99.53	102.54	105.00	106.82
Canada ^b	6.48	7.25	8.49	10.05	10.29	10.58	10.96	11.29	11.52
Japan ^b	45.11	47.87	51.53	53.23	53.78	54.52	55.32	55.96	56.50
European Community	N.A.	105	105	108	108	108	109	110	110
France	N.A.	20.38	21.46	22.21	22.44	22.69	22.88	23.04	23.25
Italy ^c	N.A.	19.92	19.50	19.80	20.38	21.90	22.12	22.57	N.A.
United Kingdom	N.A.	25.50	25.30	25.80	26.10	26.28	26.40	26.46	26.38
West Germany ^b	N.A.	27.03	26.82	26.42	26.15	26.07	26.22	26.45	26.68
Communist Countries									
USSR and Eastern Europe	158	166	179	192	195	197	199	202	204
USSR ^d	110.13	116.49	125.61	135.77	137.99	140.14	141.74	144.20	146.07
Eastern Europe	48.2	49.7	53.4	56.1	56.6	57.0	57.4	57.8	58.2
Bulgaria	4.42	4.26	4.55	4.66	4.68	4.70	4.72	4.73	4.73
Czechoslovakia	6.40	6.77	7.03	7.36	7.41	7.45	7.48	7.51	7.55
East Germany	8.51	8.39	8.53	8.71	8.76	8.80	8.86	8.93	9.01
Hungary	4.74	4.78	5.00	5.22	5.23	5.23	5.23	5.23	5.23
Poland	14.13	15.21	16.89	18.28	18.56	18.84	19.09	19.33	19.58
Romania	10.00	10.27	11.36	11.85	11.92	11.97	12.02	12.07	12.09
Other									
China	N.A.	290.00	344.00	N.A.	N.A.	394.00	399.00	406.00	N.A.
Cuba	N.A.	N.A.	4.18 ^e	4.45	4.47	4.62	4.73	4.85	4.99
Vietnam ^f	8.50	9.70	10.95	12.50	22.00	23.00	24.50	25.50	26.50
Yugoslavia ^g	7.07	7.81	8.07	8.21	8.32	8.42	8.50	8.85	9.11

^a Unless otherwise indicated, data include the armed forces and the unemployed.^b Annual averages of monthly data.^c New series beginning in 1977.^d Data are from *Estimates and Projections of the Labor Force and Civilian Employment in the USSR*, by Stephen Rapawy, Foreign Economic Report No. 10, US Department of Commerce, September 1976, p. 19.^e Data are for 1971.^f Excluding the armed forces and prior to 1976, South Vietnam.^g Excluding those employed abroad and the armed forces.

Agricultural Labor Force ^a

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD									
United States ^b	7.06	5.61	4.52	4.34	4.37	4.16	3.96	3.77	3.79
Canada ^b	0.68	0.59	0.51	0.48	0.47	0.46	0.47	0.48	0.48
Japan ^c	12.70	10.50	8.40	6.20	6.00	5.90	5.90	5.70	5.30
Communist Countries									
USSR and Eastern Europe	66.3	58.6	55.0	50.6	49.8	48.9	48.1	47.2	46.4
USSR ^d	45.44	40.04	37.50	34.85	34.32	33.79	33.25	32.72	32.19
Eastern Europe	20.8	18.6	17.5	15.7	15.4	15.2	14.8	14.5	14.2
Bulgaria	2.49	1.93	1.64	1.40	1.36	1.32	1.27	1.23	1.19
Czechoslovakia	1.68	1.48	1.29	1.13	1.12	1.11	1.11	1.09	1.08
East Germany	1.56	1.38	1.08	0.93	0.90	0.88	0.86	0.86	0.85
Hungary	1.83	1.42	1.26	1.09	1.07	1.05	1.02	1.02	1.01
Poland	6.66	6.39	6.32	6.09	6.05	6.00	5.94	5.90	5.88
Romania	6.62	5.97	5.87	5.10	4.94	4.79	4.64	4.40	4.23
Other									
Cuba	N.A.	N.A.	0.92 ^e	0.92	0.89	0.81	0.86	N.A.	N.A.
Vietnam ^f	6.50	6.75	7.65	8.70	13.40	13.90	14.50	15.10	15.65
Yugoslavia	4.14	4.12	4.01	3.21	3.08	2.88	2.75	2.69	2.61

^a Excluding the armed forces.^b Data are for civilian employment.^c Data are as of the end of the year.^d Data are from *Estimates and Projections of the Labor Force and Civilian Employment in the USSR*, by Stephen Rapaw, Foreign Economic Report No. 10, US Department of Commerce, September 1976, p. 19.^e Data are for 1971.^f Including South Vietnam beginning in 1976.

Nonagricultural Labor Force ^a

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD									
United States ^b	60.32	66.73	75.16	81.40	84.19	87.30	91.03	93.65	93.96
Canada ^b	5.30	6.47	7.41	8.80	9.01	9.18	9.50	9.89	10.18
Japan ^b	31.63	36.84	42.52	46.05	46.70	47.52	48.19	49.12	50.00
European Community ^b	N.A.	87.9	91.6	94.1	94.3	94.8	94.9	96.1	N.A.
France	15.00	16.51	18.41	20.08	20.38	20.69	20.94	21.15	21.30
Italy ^c	N.A.	13.92	14.90	16.81	17.29	18.73	18.64	19.06	19.45
United Kingdom	N.A.	23.84	23.59	23.93	23.88	23.96	24.09	24.25	23.86
West Germany	N.A.	23.54	23.91	23.50	23.35	23.39	23.62	24.00	N.A.
Communist Countries									
USSR and Eastern Europe	92.0	108	124	141	145	148	151	156	158
USSR ^d	64.70	76.46	88.11	100.92	103.67	106.36	108.49	112.47	113.88
Eastern Europe	27.3	31.1	35.9	40.4	41.1	41.9	42.6	43.4	43.9
Bulgaria	1.93	2.34	2.91	3.27	3.32	3.38	3.45	3.50	3.53
Czechoslovakia	4.71	5.30	5.74	6.23	6.29	6.34	6.42	6.42	6.47
East Germany	6.95	7.00	7.46	7.78	7.85	7.93	8.00	8.07	8.16
Hungary	2.90	3.35	3.75	4.13	4.16	4.19	4.21	4.21	4.22
Poland	7.47	8.82	10.57	12.19	12.51	12.84	13.15	13.50	13.70
Romania	3.37	4.31	5.49	6.76	6.98	7.18	7.38	7.67	7.86
Other									
Cuba ^e	N.A.	N.A.	1.48 ^f	1.71	1.78	1.78	1.87	N.A.	N.A.
Vietnam ^g	2.00	2.95	3.30	3.80	9.20	9.60	10.00	10.40	10.85
Yugoslavia ^h	2.93	3.69	4.06	5.00	5.24	5.54	5.75	6.16	6.50

^a Unless otherwise indicated, data include the armed forces.

^b Civilian employment. The data are annual averages of monthly data that exclude the armed forces.

^c New series beginning in 1977.

^d Data are from *Estimates and Projections of the Labor Force and Civilian Employment in the USSR*, by Stephen Rapawy, Foreign Economic Report No. 10,

US Department of Commerce, September 1976, p. 19.

^e State sector only.

^f Data are for 1971.

^g Excluding the armed forces and prior to 1976, South Vietnam.

^h Excluding those employed abroad and the armed forces; estimated for 1980.

Table 33

Million Persons, Annual Average

Industrial Employment ^a

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD									
United States	17.51	18.69	19.97	19.08	19.78	20.50	21.33	22.02	21.39
Canada ^b	N.A.	2.28	2.47	2.65	2.69	2.71	2.75	2.85	2.91
Japan ^b	9.89	11.79	13.97	13.62	13.63	13.59	13.41	13.45	13.79
European Community	N.A.	41.2	41.3	41.4	40.6	41.1	40.7	40.6	N.A.
France	7.22	7.82	8.07	8.03	7.95	7.91	7.75	6.90	6.70
Italy ^c	N.A.	7.66	8.12	8.30	8.23	7.67	7.63	7.65	7.78
United Kingdom	N.A.	11.54	10.91	9.51	9.26	9.26	9.21	9.16	8.76
West Germany	N.A.	13.10	13.00	11.60	11.40	11.30	11.40	11.50	N.A.
Communist Countries									
USSR and Eastern Europe	34.0	40.3	46.1	50.3	51.2	52.0	52.7	53.2	53.7
USSR	22.62	27.45	31.59	34.05	34.81	35.42	36.01	36.50	36.86
Eastern Europe	11.4	12.8	14.5	16.2	16.4	16.6	16.7	16.7	16.8
Bulgaria	0.72	0.90	1.09	1.22	1.22	1.23	1.21	1.22	1.22
Czechoslovakia	2.21	2.41	2.60	2.67	2.68	2.70	2.71	2.76	2.78
East Germany	2.78	2.78	2.85	3.07	3.10	3.11	3.13	3.13	3.15
Hungary	1.39	1.57	1.79	1.80	1.80	1.76	1.73	1.70	1.67
Poland	3.01	3.50	4.12	4.68	4.68	4.72	4.78	4.77	4.79
Romania	1.25	1.67	2.06	2.80	2.91	3.03	3.10	3.15	3.20
Other									
China	N.A.	18.00	28.00	N.A.	N.A.	48.00	50.00	53.00	N.A.
Cuba ^d	N.A.	N.A.	0.44 ^e	0.47	0.48	0.52	0.55	N.A.	N.A.
Vietnam ^f	0.75	0.95	1.10	1.25	2.10	2.00	2.00	2.01	2.15
Yugoslavia	1.07	1.38	1.45	1.84	1.89	1.95	2.02	2.10	2.18

^a Including employment in manufacturing, mining, and electric power.^b Data are as of the end of the year.^c New series beginning in 1977.^d State sector only.^e Data are for 1971.^f Including South Vietnam beginning in 1976.

Table 34

Big Seven: Unemployment Rates ^a

	1960	1965	1970	1975	1976	1977	1978	1979	1980
United States	5.5	4.5	4.9	8.5	7.7	7.0	6.0	5.8	7.1
Canada	7.0	3.9	5.7	6.9	7.1	8.1	8.4	7.5	7.5
France	1.8	1.6	2.6	4.3	4.7	5.0	5.3	6.2	6.6
Italy ^b	3.8	3.5	3.1	3.2	3.6	3.4	3.6	3.8	3.8
Japan	1.7	1.2	1.2	1.9	2.0	2.0	2.2	2.1	2.0
United Kingdom ^c	2.2	2.2	3.1	4.1	5.5	6.0	5.7	5.4	6.8
West Germany	1.1	0.5	0.6	4.1	4.1	4.0	3.8	3.3	3.4

^a Unemployment as a share of total civilian labor force.^b Data adjusted to US concepts.^c Excluding Northern Ireland.

Table 35

Big Seven: Personal Savings Rates ^a

	1960	1970	1975	1976	1977	1978	1979	1980
United States	4.9	8.0	8.6	6.9	5.6	5.8	5.2	5.6
Canada	3.3	5.3	10.9	10.0	9.8	10.3	10.5	10.3
Japan	17.4	18.2	22.1	22.4	21.1	23.0	22.4	22.1
France	9.8	16.7	18.6	16.4	16.9	17.5	15.9	14.2
Italy	N.A.	21.6	23.2	24.7	25.2	27.2	26.9	N.A.
United Kingdom	7.2	9.0	12.7	11.9	10.8	12.7	14.1	15.3
West Germany	8.5	14.6	16.4	14.7	13.8	13.7	14.2	14.4

^a Savings as a share of disposable personal income.

Table 36

Units per US \$

Foreign Trade Exchange Rates of the Communist Countries^a

	Unit of Currency	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
USSR	Ruble	0.900	0.824	0.739	0.756	0.720	0.754	0.736	0.681	0.654	0.649
Eastern Europe											
Bulgaria	Lev	1.17	1.08	0.97	0.97	0.97	0.97	0.95	0.90	0.86	0.85
Czechoslovakia	Koruna	7.20	6.63	5.84	5.84	5.58	5.77	5.64	5.46	5.35	5.30
East Germany ^b	Deutsche mark East	4.20	3.87	3.48	3.48	3.48	3.48	3.48	3.48	3.11	3.11
Hungary ^c	Forint	11.74	10.81	9.50	9.15	8.57	41.56	40.96	37.09	35.58	32.88
Poland	Zloty	4.00	3.68	3.32	3.32	3.32	3.32	3.32	3.32	3.09	3.05
Romania	Leu	6.00	5.53	4.97	4.97	4.97	4.97	4.97	4.56	4.47	4.47
Other											
Albania	Lek	5.00	4.61	4.14	4.14	4.14	4.14	4.14	4.14	4.14	4.14
China	Yuan	2.39	2.25	2.01	1.96	1.85	1.94	1.85	1.68	1.55	1.49
Cuba	Peso	1.00	0.92	0.84	0.83	0.83	0.82	0.79	0.75	0.72	0.71
Mongolia	Tugrik	N.A.	N.A.	3.31	N.A.	N.A.	N.A.	3.30	3.11	3.11	N.A.
North Korea ^d	Won	2.36	2.36	2.06	2.15	2.02	2.02	2.02	1.86	1.79	1.77
Vietnam	Dong	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	2.30	2.54	2.17	2.38
Yugoslavia	Dinar	14.96	17.00	16.19	15.91	17.39	18.19	18.30	18.64	19.00	24.91

^a Average exchange rate for the year. Some countries also have special exchange rates for noncommercial transactions, such as diplomatic, tourist, and student expenditures and for personal remittances.

^b The unofficial rates actually used in East German accounting of foreign trade transactions. The official rate is 2.05 deutsche marks to the dollar.

^c Since January 1976, Hungary has expressed the value of its foreign trade in domestic forints rather than diviza forints.

^d End of year rate. Noncommercial rate through 1977; 1978 is a "special" rate for March 1978 as reported.

Minerals and
Metals

Energy

Foreign Trade

Soviet Economic
Performance

Agriculture

Manufacturing Goods
and Forestry

Chemicals and
Rubber

Table 37

USSR: Percent Distribution of Gross National Product at Factor Cost,^a by End Use

	1960	1965	1970	1975	1976	1977	1978	1979	1980 ^b
Total	100	100	100	100	100	100	100	100	100
Consumption ^c	58	54	54	54	53	52	52	53	53
Investment	34	27	28	31	32	32	32	32	33
New fixed ^d	20	22	23	25	25	26	26	26	26
Defense, administration, R&D, inventory change, net exports, and outlays n.e.c.	18	19	18	16	16	15	16	14	14

^a Because of the well-known difficulties in using Soviet established prices as a measure of resource burden, the shares of GNP in this table are based on GNP at factor cost. In calculating GNP at factor cost, 1970 end-use weights have been revised from an established price basis to a factor cost basis by subtracting turnover taxes and profits and adding implicit amortization and capital charges and subsidies. These revised weights are then moved over time by indexes of the various end uses in constant prices. The percentage shares shown in this table are substantially different from the shares shown in previous editions of this handbook. The changes reflect primarily a modification of our assumption regarding the rate of return to be imputed to the capital stock of the Soviet housing and certain other service

sectors. This imputed rate of return previously was assumed to be equal to the rate imputed to the capital stock of all other sectors (18 percent) but is now assumed to be *one-half* the rate imputed for other sectors.

^b Preliminary.

^c Including consumption of food, soft goods, durables, personal services, and personal and government outlays for education and health.

^d Including machinery and equipment, construction and other capital outlays, and net additions to livestock.

Table 38

USSR: Growth of Gross National Product at Factor Cost, by End Use^a

	Average Annual Rate of Growth						Percent
	1961-65	1966-70	1971-75	1976-80 ^b	1975	1976	
Total	5.0	5.2	3.7	2.7	1.7	4.8	1.5
Consumption ^c	3.7	5.3	3.6	2.6	3.9	2.2	2.2
Investment	7.6	6.0	5.4	4.2	2.2	8.0	2.7
New fixed ^d	7.2	6.4	4.8	3.7	3.2	7.6	2.3
Defense, administration, R&D, inventory change, net exports, and outlays n.e.c.	5.7	3.9	1.3	Negl.	-6.3	7.1	-4.0

^a Because of the well-known difficulties in using Soviet established prices as a measure of resource burden, the shares of GNP in this table are based on GNP at factor cost. In calculating GNP at factor cost, 1970 end-use weights have been revised from an established price basis to a factor cost basis by subtracting turnover taxes and profits and adding implicit amortization and capital changes and subsidies. These revised weights are then moved over time by indexes of the various end uses in constant prices. The percentage shares shown in this table are substantially different from the shares shown in previous editions of this handbook. The changes reflect primarily a modification of our assumption regarding the rate of return to be imputed to the capital stock of the Soviet housing and

certain other service sectors. This imputed rate of return previously was assumed to be equal to the rate imputed to the capital stock of all other sectors (18 percent) but is now assumed to be *one-half* the rate imputed for other sectors.

^b Preliminary.

^c Including consumption of food, soft goods, durables, personal services, and personal and government outlays for education and health.

^d Including machinery and equipment, construction and other capital outlays, and net additions to livestock.

Table 39

Percent

USSR: Share of Gross National Product,^a by Sector of Origin

	1965	1970	1975	1976	1977	1978	1979	1980 ^b
GNP	100	100	100	100	100	100	100	100
Agriculture	23	21	16	17	17	17	15	14
Industry	30	32	36	35	36	36	36	37
Construction	7	7	8	8	8	8	8	8
Transportation	8	9	10	10	10	10	10	10
Communications	1	1	1	1	1	1	1	1
Trade	7	7	8	8	8	8	8	8
Services	22	20	20	20	20	20	20	20
Other	2	2	2	2	2	2	2	2

^a Calculated at factor costs.^b Preliminary.

Table 40

Percent

USSR: Growth of Gross National Product,^a by Sector of Origin

	Average Annual						
	1961-65	1966-70	1971-75	1976-80	1975	1976	1977
GNP	5.0	5.2	3.7	2.7	1.7	4.8	3.2
Agriculture ^c	3.6	3.9	-0.4	1.0	-8.8	8.1	4.6
Industry	6.6	6.3	5.9	3.6	5.9	3.9	4.0
Construction	5.0	5.8	5.6	2.4	5.0	3.4	2.4
Transportation	9.0	6.7	6.5	3.4	6.2	4.4	2.2
Communications	7.1	8.9	7.3	5.7	7.2	6.4	5.7
Trade	4.8	7.0	4.6	3.0	4.6	3.5	3.7
Services	4.4	4.2	3.4	2.8	3.2	2.5	2.5
Other	2.5	3.6	1.9	0.9	1.2	1.6	0.6

^a Calculated at factor costs.^b Preliminary.^c Excluding intra-agricultural use of farm products but excluding an adjustment for purchases by agriculture from other sectors.

Table 41

USSR: Gross Fixed Capital Investment, by
Function and by Sector ^a

	1960	1965	1970	1975	1976	1977	1978	1979	1980 ^b
Total investment	41.3	56.0	80.6	112.9	118.0	122.3	129.7	130.6	133.5
By function									
Construction and installation	29.1	35.5	49.9	66.2	67.0	68.4	69.5	69.1	N.A.
Equipment	10.0	16.9	24.4	37.1	40.7	43.0	46.6	48.6	N.A.
Other capital outlays	2.2	3.6	6.3	9.6	10.3	10.9	13.6	12.9	N.A.
By sector									
Industry	14.86	20.62	28.53	39.71	41.59	43.45	45.60	46.16	N.A.
Ferrous metallurgy	1.39	1.78	2.02	2.80	2.91	3.06	3.03	3.21	N.A.
Chemicals and petrochemicals	1.05	2.16	2.40	3.79	3.97	4.48	5.32	4.50	N.A.
Fuels and power	4.41	6.65	8.22	11.14	11.63	12.19	13.62	14.11	N.A.
Machine building and metalworking	2.03	3.11	5.96	9.41	10.05	10.57	11.11	11.10	N.A.
Construction materials	1.19	1.01	1.67	1.86	1.66	1.89	1.80	1.92	N.A.
Consumer goods	2.00	2.43	3.51	4.54	4.42	4.26	4.32	4.42	N.A.
Other ^c	2.79	3.48	4.75	6.17	6.95	7.00	6.40	6.90	N.A.
Construction industry	1.20	1.47	2.99	4.35	4.99	4.65	5.16	5.17	N.A.
Transport and communications	4.09	5.61	7.99	12.72	13.32	13.89	16.33	16.25	N.A.
Agriculture	5.44	9.48	14.28	23.29	24.27	24.91	25.79	26.34	N.A.
Housing	9.42	9.59	13.36	16.26	16.50	17.01	17.52	17.33	N.A.
Services	6.29 ^d	9.23	13.45	16.57	17.33	18.39	19.30	19.35	N.A.

^a The construction portion of gross fixed investment is reported in standard project costs ("estimate prices" in Soviet terminology) of 1 January 1976. Investment in machinery and equipment is in wholesale prices of 1 January 1973. Other capital outlays are for surveys, designs, technical documentation, and the like. Their valuation in investment statistics has never been described in Soviet sources. Before 1976, Soviet statistical publications reported investment in prices of 1 January 1969. Official Soviet price indexes show only small changes in construction costs and equipment prices between 1969 and 1976. The USSR has yet to release figures

in 1976 prices for total investment in 1960, and for investment by sector in 1960 and 1965. Data for these years in 1969 prices were converted to 1976 prices by comparing investment in old and new prices for those years where data are available in both sets of prices.

^b Preliminary.

^c Computed as a residual; includes investment in nonferrous metallurgy, timber, paper, woodworking, and miscellaneous other branches of industry.

^d Computed as a residual.

Table 42

USSR: Stock of Fixed Capital, by Sector ^a

Billion Rubles

	1960	1965	1970	1975	1976	1977	1978	1979	1980 ^b
Total capital stock ^c	398	601	860	1,256	1,345	1,437	1,537	1,638	1,744
Industry	100	168	255	385	416	445	480	514	551
Ferrous metallurgy	10	17	26	38	40	43	46	47	N.A.
Chemicals and petrochemicals	5	13	23	36	39	41	45	51	N.A.
Fuels and power	32	51	78	112	120	127	136	146	N.A.
Machine building and metalworking	18	32	51	82	91	99	109	118	N.A.
Construction materials	6	9	14	22	24	26	27	29	N.A.
Consumer goods	14	22	32	47	50	53	56	59	N.A.
Timber, woodworking, and paper	6	9	13	18	20	21	22	24	N.A.
Other	9	15	18	30	32	35	39	40	N.A.
Construction industry	7	12	22	35	39	43	48	52	56
Trade, public dining, material, technical supply	11	20	31	47	51	55	58	64	64
Agriculture ^c	54	77	106	167	180	194	209	223	239
Transport and communications	54	83	117	171	182	195	209	223	239
Housing	120	159	204	267	280	294	309	324	339
Services	52	82	125	184	197	211	224	238	256

^a The fixed capital series presented here is expressed in prices of 1973 with the value of stocks estimated as of 31 December of the respective year.

^b Preliminary.

^c Including the value of basic herds.

Table 43

Average Annual Rate of Growth in Percent

USSR: Aggregate Factor Productivity

	1961-65 ^a	1966-70 ^a	1971-75 ^a	1976-80 ^a	1975	1976	1977	1978	1979	1980
Gross national product ^b	5.0	5.2	3.7	2.7	1.7	4.8	3.2	3.4	0.8	1.4
Factor productivity	0.6	1.1	-0.5	-0.8	-2.0	1.2	-0.4	-0.3	-2.7	-1.9
Manhours	3.4	3.2	2.0	1.3	0.5	3.6	1.7	1.7	-0.7	0.2
Capital	-3.4	-2.1	-3.9	-3.9	-5.5	-2.3	-3.5	-3.3	-5.6	-4.8
Land	4.4	5.6	2.9	2.7	1.2	4.8	3.4	3.4	0.8	1.4
Combined inputs ^c	4.4	4.1	4.2	3.6	3.7	3.5	3.7	3.7	3.6	3.3
Manhours	1.6	2.0	1.7	1.4	1.1	1.1	1.5	1.7	1.5	1.2
Capital	8.7	7.4	7.9	6.9	7.6	7.2	7.0	6.9	6.8	6.5
Land	0.6	-0.3	0.8	Negl	0.4	Negl	-0.2	Negl	Negl	Negl

^a For computing average annual rates of growth, the base year is the year prior to the stated period.

^b Based on indexes of GNP (1970 rubles), by sector of origin, at factor cost.

^c Inputs of manhours, capital, and land are combined using weights of 55.8 percent, 41.2 percent, 3.0 percent, respectively, in a Cobb-Douglas (linear homogenous) production function. These weights represent the distribution of labor costs (wages, other income, and social insurance deductions), capital costs (depreciation and a 20-percent charge on gross fixed capital, including livestock), and land rent in 1970, the base year for all indexes underlying the growth rate calculations.

Table 44

Average Annual Rate of Growth in Percent

USSR: Industrial Factor Productivity

	1961-65 ^a	1966-70 ^a	1971-75 ^a	1976-80 ^a	1975	1976	1977	1978	1979	1980
Industrial production	6.6	6.3	5.9	3.6	6.2	3.9	4.0	3.5	3.0	3.4
Factor productivity	-0.1	0.5	1.1	-0.6	1.3	-1.0	-0.4	-0.7	-1.1	-0.2
Manhours	3.6	3.1	4.4	2.0	4.4	1.6	2.4	1.8	1.6	2.4
Capital	-4.0	-2.3	-2.4	-3.5	-2.1	-3.9	-3.3	-3.4	-4.0	-2.9
Combined inputs ^b	6.7	5.7	4.8	4.2	4.8	5.0	4.3	4.3	4.1	3.5
Manhours	2.9	3.1	1.5	1.5	1.7	2.2	1.5	1.7	1.3	1.0
Capital	11.0	8.7	8.6	7.3	8.4	8.1	7.5	7.2	7.3	6.4

^a For computing the average annual rates of growth, the base year is the year prior to the stated period.

^b Inputs of manhours and capital are combined using weights of 52.4 percent and 47.6 percent, respectively, in a Cobb-Douglas (linear homogeneous) production function. These weights represent the distribution of labor costs (wages and social insurance deductions) and capital costs (depreciation and a 20-percent charge on gross fixed capital) in 1970, the base year for all indexes underlying the growth rate calculations.

Table 45

Average Annual Rate of Growth in Percent

**USSR: Industrial Production, by
Branch of Industry ^a**

	1961-65 ^b	1966-70 ^b	1971-75 ^b	1976-80 ^b	1975	1976	1977	1978	1979	1980 ^c
Industrial materials	6.8	5.8	5.4	2.6	5.7	3.6	2.9	2.8	1.0	2.5
Electricity	11.5	7.9	7.0	4.5	6.6	6.9	3.6	4.7	2.9	4.5
Fuels	6.3	5.0	5.0	3.3	5.9	3.7	4.2	3.1	3.0	2.3
Ferrous metals	7.2	5.1	4.0	1.1	4.4	2.7	0.7	2.2	Negl.	-0.3
Nonferrous metals	7.6	7.4	5.9	2.7	4.7	3.1	3.1	3.3	3.0	0.8
Wood, pulp, and paper products	2.6	2.9	2.6	-0.1	3.6	-0.1	0.5	-0.5	-2.9	2.8
Construction materials	5.4	5.7	5.4	1.8	4.5	3.5	1.9	2.4	0.3	1.0
Chemicals	12.0	8.9	8.6	3.8	9.7	4.8	5.2	3.6	0.2	5.2
Total machinery	7.4	6.9	7.9	5.3	7.7	5.5	5.6	5.6	5.6	4.4
Producer durables	8.9	7.8	8.6	5.9	8.2	6.4	6.5	6.3	6.0	4.1
Consumer durables	9.6	11.3	11.7	N.A.	8.7	6.2	7.2	8.4	4.4	N.A.
Nondurable consumer goods	4.8	6.4	3.4	1.6	4.1	1.2	3.3	0.6	2.6	0.1
Soft goods	2.6	7.2	2.7	2.6	2.9	4.2	2.5	2.6	1.8	2.0
Processed foods	6.8	5.9	3.9	0.7	5.1	-1.1	4.0	-1.1	3.3	-1.4
Total industrial production	6.6	6.3	5.9	3.5	6.2	3.9	4.0	3.5	3.0	2.9

^a Based on CIA estimates rather than Soviet official series. The latter are

believed to contain an upward bias in rates of growth because of double-counting

and disguised inflation. The branch indexes shown above are formed by combining

a sample of products in which intrabranch purchases have been excluded. The

indexes for industrial materials, consumer nondurables, and total industrial

production are formed by combining the component branch indexes using 1970

value-added weights.

^b The base year is the year prior to the stated period. Rates of growth are derived

from unrounded data.

^c Preliminary.

Table 46

Million US \$

USSR: Hard Currency Balance of Payments

	1960	1965	1970	1975	1976	1977	1978	1979	1980 ^a
Trade Balance									
Exports, f.o.b.	250	186	500	6,422	-5,595	-3,300	-3,794	-2,036	-2,455
Imports, f.o.b.	768	1,374	2,201	7,835	9,721	11,345	13,157	19,549	23,792
Gold sales	1,018	1,560	2,701	14,257	15,316	14,645	16,951	21,585	26,247
Net interest	200	550	0	725	1,369	1,618	2,522	2,167	800
Other invisibles and hard currency trade not included elsewhere ^b	-2	-17	-83	-568	-716	-846	-881	-799	-710
Other invisibles and hard currency trade not included elsewhere ^b	-66	-46	605	1,551	2,011	3,300	3,523	5,140	4,900
Current account balance	-118	301	22	4,714	-2,931	772	1,370	4,472	2,535
Direct investment abroad ^c	0	0	0	-3	-31	0	0	0	0
Borrowing from abroad ^d	88	41	291	5,402	4,694	1,777	1,002	860	526
Lending to other countries ^e	0	0	-25	295	-1,711	140	-1,582	-2,926	0
Capital account balance	88	41	266	5,694	2,952	1,917	-580	2,066	526
Errors and omissions ^f	30	-342	-288	-980	-21	-2,689	-790	-2,406	-3,061

^a Estimated.^b Including estimated receipts from arms sales, official transfers, and net receipts from tourism and transportation.^c Estimated investment in Soviet banking operations in the West.^d Soviet drawings on Western credits and East European investment in construction of the Orenburg pipeline. Excludes borrowings by the International Investment Bank and Interna-

tional Bank for Economic Cooperation, which borrow on behalf of CEMA countries. The extent to which the USSR has borrowed (if at all) from these CEMA banks is unknown.

^e Net change in Soviet assets held with Western commercial banks and in trade credits extended to finance Soviet exports.^f Including intra-CEMA hard currency trade and other hard currency payments.

Table 47

Million US \$

USSR: Estimated Drawings and Scheduled Repayments on Western Credits

	Estimated Drawings ^a	Repayments ^b	Interest ^c	Amount Available to Offset Trade Deficit	Gross Debt Outstanding at End of Year
1970	450	159	83	208	1,515
1971	511	223	135	153	1,803
1972	878	276	170	432	2,405
1973	1,737	397	332	1,008	3,745
1974	2,052	625	508	919	5,172
1975	6,371	969	804	4,598	10,574
1976	5,661	1,386	1,012	3,263	14,849
1977	2,850	1,975	1,140	-265	15,724
1978	3,051	2,352	1,219	-520	16,423
1979	3,660	2,800	1,430	-570	17,283
1980	3,576	3,050	1,625	-1,099	17,809

^a Drawings on credits backed by Western government guarantees and on commercial credits, which lack official guarantees.

^c Interest payments on government-backed debt and on gross commercial debt.

^b Scheduled repayments on government-backed debt and known repayments on medium-term commercial debt.

Table 48

Million Troy Ounces

USSR: Gold Production and Reserves

	Production	Reserves	Production	Reserves
1965	5.33	29.61	1973	8.03
1966	5.69	33.01	1974	8.42
1967	5.94	36.84	1975	8.29
1968	6.23	41.37	1976	8.87
1969	6.59	46.77	1977	9.19
1970	7.00	52.43	1978	9.54
1971	7.20	57.77	1979	9.87
1972	7.81	59.22	1980	10.20

Minerals and
Metals

Energy

Foreign Trade
and Aid

Transportation

Agriculture

Manufacturing Goods
and Forestry

Chemicals and
Rubber

Exports by Selected Non-Communist Countries ^a

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD	83,794	126,331	221,903	573,675	639,365	724,929	869,600	1,066,511	1,255,880
United States ^b	19,651	26,751	42,659	107,130	115,150	121,150	143,580	181,640	220,550
Australia	2,050	3,005	4,771	11,943	13,155	13,352	14,416	18,667	22,048
Austria	1,120	1,600	2,857	7,519	8,506	9,808	12,175	15,483	17,489
Canada	5,834	8,471	16,747	34,073	40,598	43,545	48,429	58,183	67,554
Greece	203	328	643	2,278	2,561	2,757	3,368	3,885	5,219
Japan	4,055	8,452	19,318	55,727	67,321	81,083	98,353	102,299	130,435
New Zealand	847	1,007	1,223	2,160	2,795	3,196	3,738	4,706	5,421
Norway	881	1,443	2,457	7,232	7,951	8,880	10,882	13,546	18,474
Portugal	327	577	950	1,939	1,811	2,023	2,414	3,480	4,640
Spain	725	935	2,388	7,691	8,730	10,223	13,114	18,208	20,720
Sweden	2,565	3,971	6,795	17,384	18,435	19,082	21,786	27,602	30,905
Switzerland	1,859	2,941	5,063	12,953	14,835	17,614	23,561	26,538	29,647
Turkey	321	464	588	1,401	1,960	1,753	2,288	2,261	2,384
European Community	42,284	64,830	112,991	298,437	328,814	382,286	462,285	578,059	665,326
Belgium-Luxembourg	3,792	6,394	11,600	28,802	32,889	37,538	44,947	56,699	64,511
Denmark	1,494	2,320	3,356	8,712	9,115	10,065	11,882	14,696	16,749
France	6,867	10,176	18,098	53,118	57,162	64,997	79,378	100,691	116,016
Ireland	426	619	1,120	3,193	3,315	4,404	5,691	7,170	8,499
Italy	3,653	7,200	13,207	34,816	37,261	45,305	56,068	72,232	77,679
Netherlands	4,028	6,398	11,774	35,097	40,214	43,700	50,124	63,672	73,836
United Kingdom	10,609	13,810	19,608	44,523	46,696	58,205	71,742	91,012	115,137
West Germany	11,415	17,913	34,228	90,176	102,162	118,072	142,453	171,887	192,899
OPEC	7,434	10,553	17,426	110,275	133,815	146,990	142,964	209,314	N.A.
Algeria	394	637	1,009	4,691	5,201	5,928	6,347	8,198	12,410
Ecuador	146	164	221	987	1,293	1,223	1,517	1,972	2,314
Gabon	47	105	143	943	1,135	1,343	1,107	1,476	N.A.
Indonesia	841	708	1,108	7,102	8,547	10,853	11,643	15,590	21,907
Iran	844	1,305	2,624	20,211	23,503	24,260	22,198	19,872	13,768
Iraq	467	710	847	8,297	9,272	9,651	11,062	21,502	26,352
Kuwait	962	1,284	1,693	8,644	9,844	9,801	10,427	18,242	19,247
Libya	11	1,044	2,837	6,042	8,306	9,761	9,503	15,236	22,579
Nigeria	475	741	1,240	7,776	10,085	11,780	10,538	17,873	26,854
Qatar	126	163	235	1,809	2,209	1,992	2,374	3,768	5,672
Saudi Arabia	816	1,264	2,360	27,996	36,437	41,210	37,935	57,616	102,503
United Arab Emirates	N.A.	N.A.	510	6,977	8,684	9,637	9,126	13,652	20,747
Venezuela	2,305	2,428	2,599	8,800	9,299	9,551	9,187	14,317	18,454

Other Countries									
Argentina	1,079	1,493	1,773	2,961	3,916	5,652	6,400	7,810	N.A.
Bahamas	6	19	90	2,216	2,616	2,409	2,118	3,495	N.A.
Bahrain	190	165	218	1,203	1,516	1,845	1,892	2,489	3,671
Brazil	1,268	1,596	2,739	8,670	10,128	12,120	12,659	15,244	20,132
Cameroon	N.A.	139	232	474	511	704	802	1,132	1,383
Chile	488	637	1,249	1,661	2,083	2,190	2,408	3,763	4,818
Colombia	465	539	736	1,465	1,745	2,433	3,038	3,411	3,916
Dominican Republic	180	126	249	894	716	780	675	867	962
Egypt	568	605	762	1,402	1,522	1,708	1,737	1,840	3,045
El Salvador	117	189	236	531	743	972	848	1,124	967
Guatemala	116	187	298	641	782	1,182	1,113	1,271	1,545
Hong Kong	689	1,143	2,515	6,019	8,526	9,623	11,497	15,147	13,634
India	1,332	1,687	2,026	4,406	5,551	6,378	6,671	7,806	8,031
Israel	217	430	779	1,941	2,415	3,084	3,921	4,553	5,540
Ivory Coast	157	277	469	1,181	1,631	2,157	2,322	2,515	N.A.
Jamaica	159	214	340	852	632	746	753	771	965
Kenya	112	228	305	647	825	1,194	1,023	1,106	1,384
Lebanon	43	87	192	1,121	496	691	755	723	841
Malaysia	1,186	1,236	1,686	3,831	5,295	6,080	7,413	11,077	12,944
Mexico	765	1,120	1,403	2,904	3,418	4,517	5,958	8,982	15,348
Morocco	354	430	488	1,543	1,261	1,302	1,508	1,873	2,466
Pakistan	394	528	398	1,052	1,167	1,189	1,475	2,056	2,618
Peru	435	667	1,048	1,292	1,265	1,603	1,876	3,532	N.A.
Philippines	624	698	1,041	2,270	2,573	3,151	3,424	4,533	5,698
Singapore	1,136	981	1,554	5,376	6,585	8,241	10,134	14,240	19,378
South Africa ^c	1,995	2,585	3,355	8,959	7,976	9,987	12,875	18,397	25,680
South Korea	33	175	835	5,081	7,715	10,047	12,718	15,055	17,505
Sri Lanka	385	409	342	566	570	754	845	981	1,074
Syria	113	169	203	930	1,074	1,070	1,060	1,644	2,108
China (Taiwan)	164	450	1,428	5,301	8,155	9,349	12,682	16,068	18,259
Thailand	411	622	710	2,208	2,980	3,490	4,085	5,298	6,508
Tunisia	120	120	183	856	788	929	1,126	1,791	2,198
Zaire	480	306	781	865	904	988	925	1,323	1,632
Zambia	577	533	1,001	810	1,036	893	817	1,412	N.A.

^a Data are from the International Monetary Fund, *International Financial Statistics*. Exports are f.o.b.

^b Excluding Department of Defense shipments.

^c Including data for Botswana, Lesotho, Swaziland, and Namibia.

Table 50

Million US\$

Imports by Selected Non-Communist Countries^a

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD	87,223	133,978	231,140	601,761	694,127	786,657	908,325	1,164,166	1,395,076
United States	16,367	23,185	42,429	103,389	129,896	157,560	183,093	218,927	252,997
Australia	2,662	3,763	5,056	11,097	12,389	13,515	15,568	18,231	22,330
Austria	1,416	2,101	3,549	9,394	11,522	14,487	16,019	20,256	24,456
Canada	6,163	8,687	14,255	36,208	40,357	42,257	46,541	56,825	62,566
Greece	702	1,134	1,958	5,321	6,058	6,854	7,829	9,614	10,547
Japan	4,491	8,168	18,881	57,839	64,894	71,340	79,922	109,831	141,291
New Zealand	786	1,052	1,245	3,152	3,254	3,361	3,491	4,553	5,473
Norway	1,463	2,211	3,702	9,705	11,121	12,883	11,497	13,707	16,956
Portugal	545	924	1,583	3,841	4,221	4,952	5,237	6,534	9,309
Spain	722	3,040	4,747	16,264	17,474	17,836	18,711	25,438	34,078
Sweden	2,901	4,377	7,007	17,450	19,628	20,140	20,589	28,735	33,438
Switzerland	2,206	3,642	6,374	13,303	14,775	17,940	23,804	29,356	36,360
Turkey	468	572	948	4,739	5,129	5,796	4,600	5,070	6,419
European Community	45,160	69,339	116,613	301,949	345,550	389,523	462,883	604,876	722,374
Belgium-Luxembourg	3,970	6,502	11,412	30,779	35,545	40,406	48,609	60,913	71,612
Denmark	1,805	2,823	4,407	10,368	12,427	13,265	14,808	18,401	19,344
France	6,282	10,384	19,132	53,964	64,391	70,497	81,795	107,008	134,874
Ireland	634	1,041	1,624	3,778	4,195	5,395	7,121	9,883	11,151
Italy	4,732	7,378	14,969	38,367	43,431	48,091	56,459	77,894	99,475
Netherlands	4,531	7,471	13,426	35,604	40,535	45,891	53,826	68,208	78,073
United Kingdom	13,034	16,128	21,696	54,159	56,605	64,520	78,511	102,858	119,910
West Germany	10,172	17,612	29,947	74,930	88,421	101,458	121,754	159,711	187,935
OPEC	5,403	6,359	9,916	52,040	62,968	85,130	96,167	102,905	134,094
Algeria	1,264	672	1,257	6,008	5,082	7,125	8,682	8,525	10,714
Equador	114	165	274	987	958	1,508	1,630	1,986	2,247
Gabon	32	63	80	445	502	716	617	580	846
Indonesia	574	695	1,002	4,770	5,673	6,230	6,690	7,202	10,834
Iran	560	859	1,662	10,343	12,894	14,070	13,549	9,738	12,246
Iraq	389	457	510	4,214	3,471	3,901	4,212	7,006	13,048
Kuwait	242	377	625	2,390	3,324	4,840	4,595	5,200	7,379
Libya	169	320	555	3,542	3,212	3,777	4,603	8,214	9,890
Nigeria	604	770	1,059	6,041	8,213	11,095	12,844	10,946	16,688
Qatar	32	70	65	413	817	1,226	1,185	1,424	1,423
Saudia Arabia	234	506	711	4,214	8,695	14,656	20,422	24,462	30,171
United Arab Emirates	N.A.	N.A.	267	2,669	3,327	5,048	5,364	6,952	8,746
Venezuela	1,189	1,405	1,849	6,004	6,800	10,938	11,785	10,670	11,155

Other Countries													
Argentina	1,249	1,199	1,694	3,947	3,033	4,162	3,834	6,700	N.A.				
Bahamas	66	105	332	2,482	2,893	2,788	2,453	3,949	N.A.				
Bahrain	180	168	247	1,198	1,668	2,029	2,045	2,478	3,484				
Brazil	1,462	1,096	2,849	13,592	13,726	13,257	15,054	19,864	25,002				
Cameroon	N.A.	152	242	599	609	783	1,056	1,275	1,599				
Chile	526	604	941	1,535	1,643	2,259	3,002	4,218	5,821				
Colombia	519	454	843	1,495	1,708	2,028	2,928	3,364	4,739				
Dominican Republic	100	97	304	889	878	975	1,001	1,217	1,651				
Egypt	668	993	787	3,934	3,807	4,816	6,727	3,837	4,860				
El Salvador	122	201	213	614	740	929	1,027	1,021	966				
Guatemala	121	229	284	733	839	1,053	1,286	1,504	N.A.				
Hong Kong	1,026	1,569	2,905	6,757	8,882	10,454	13,449	17,137	22,330				
India	2,303	2,838	2,124	6,381	5,665	6,647	7,865	9,828	14,131				
Israel	551	838	2,086	5,997	5,721	5,778	7,450	8,593	N.A.				
Ivory Coast	131	236	388	1,127	1,296	1,756	2,326	2,491	N.A.				
Jamaica	217	289	522	1,124	913	860	891	1,010	1,178				
Kenya	196	282	442	987	972	1,285	1,711	1,660	2,333				
Lebanon	290	543	653	2,048	612	1,539	1,922	2,700	3,456				
Malaysia	910	1,097	1,418	3,554	3,828	4,542	5,929	7,849	10,820				
Mexico	1,187	1,560	2,461	6,571	6,028	5,883	7,555	12,086	19,460				
Morocco	413	453	684	2,567	2,618	3,199	2,970	3,678	4,261				
Pakistan	654	1,047	731	2,158	2,181	2,446	3,285	4,056	5,350				
Peru	379	730	622	2,551	2,037	1,911	1,960	2,146	N.A.				
Philippines	715	894	1,236	3,756	3,942	4,270	5,144	6,571	8,238				
Singapore	1,332	1,224	2,461	8,133	9,070	10,471	13,061	17,643	24,007				
South Africa ^b	1,629	2,563	3,843	8,293	7,285	6,270	7,614	8,989	19,246				
South Korea	344	463	1,984	7,274	8,774	10,811	14,972	20,339	22,297				
Sri Lanka	413	310	386	753	579	696	966	1,451	2,020				
Syria	239	213	361	1,685	2,383	2,674	2,459	3,329	4,124				
China (Taiwan)	297	558	1,528	5,960	7,609	8,522	11,051	14,781	16,134				
Thailand	447	742	1,299	3,280	3,572	4,616	5,356	7,158	9,213				
Tunisia	191	246	306	1,424	1,529	1,825	2,138	2,849	3,540				
Zaire	235	292	536	905	668	609	589	597	835				
Zambia	495	341	559	1,138	789	798	722	904	N.A.				

^a Data are from the International Monetary Fund, *International Financial Statistics*. Imports are c.i.f.

^b Including data for Botswana, Lesotho, Swaziland, and Namibia.

Table 51

Million US \$

Trade Balance of Selected Non-Communist Countries

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD	-3,429	-7,647	-9,237	-28,086	-54,762	-61,728	-38,725	97,655	139,196
United States	3,284	3,567	230	3,741	-14,746	-36,410	-39,513	-37,287	-32,447
Australia	-612	-758	-285	846	766	-163	-1,152	436	-282
Austria	-296	-501	-692	-1,875	-3,016	-4,679	3,844	4,773	-6,967
Canada	-329	-216	2,492	2,135	241	1,288	1,888	1,358	4,988
Greece	-499	-806	-1,315	-3,043	-3,497	-4,097	-4,461	-5,729	-5,328
Japan	-436	284	437	-2,112	2,427	9,743	18,431	-7,532	-10,856
New Zealand	61	-45	-22	-922	-459	-165	247	-153	-52
Norway	-582	-768	-1,245	-2,473	-3,170	-4,003	-615	-161	-1,518
Portugal	-218	-347	-633	-1,902	-2,410	-2,929	-2,823	-3,054	-4,669
Spain	3	-2,105	-2,359	-8,573	-8,744	-7,613	-5,597	-7,230	-13,358
Sweden	-336	-406	-212	-66	-1,193	-1,058	1,197	-1,133	-2,533
Switzerland	-347	-701	-1,311	-350	60	-326	-243	-2,818	-6,713
Turkey	-147	-108	-360	-3,338	-3,169	-4,043	-2,312	-2,809	-4,035
European Community	-2,876	-4,509	-3,622	-3,512	-16,736	-7,237	-598	-26,817	-57,048
Belgium-Luxembourg	-178	-108	188	-1,977	-2,656	-2,868	-3,662	-4,214	-7,101
Denmark	-311	-503	-1,051	-1,656	-3,312	-3,200	-2,926	-3,705	-2,595
France	585	-208	-1,034	-846	-7,229	-5,500	-2,417	-6,317	-18,858
Ireland	-208	-422	-504	-585	-880	-991	-1,430	-2,713	-2,652
Italy	-1,079	-178	-1,762	-3,551	-6,170	-2,786	-391	-5,662	-21,796
Netherlands	-503	-1,073	-1,652	-507	-321	-2,191	-3,702	-4,536	-4,237
United Kingdom	-2,425	-2,318	-2,088	-9,636	-9,909	-6,315	-6,769	-11,846	-4,773
West Germany	1,243	301	4,281	15,246	13,741	16,614	20,699	12,176	4,964
OPEC	2,031	4,194	7,510	58,235	70,847	61,860	46,786	106,409	N.A.
Algeria	-870	-35	-248	-1,317	119	-1,197	-2,335	-327	1,696
Ecuador	32	-1	-53	0	335	-285	-113	-14	67
Gabon	15	42	63	498	633	627	490	896	N.A.
Indonesia	267	13	106	2,332	2,874	4,623	4,953	8,388	11,073
Iran	284	446	962	9,868	10,609	10,190	8,649	10,134	1,522
Iraq	78	253	337	4,083	5,801	5,750	6,850	14,496	13,304
Kuwait	720	907	1,068	6,254	6,520	4,961	5,832	13,042	11,868
Libya	-158	724	2,282	2,500	5,094	5,984	4,900	7,022	12,689
Nigeria	-129	-29	181	1,735	1,872	685	-2,306	6,927	10,166
Qatar	94	93	170	1,396	1,392	766	1,189	2,344	4,249
Saudi Arabia	582	758	1,649	23,782	27,742	26,554	17,513	33,154	72,332
United Arab Emirates	N.A.	N.A.	243	4,308	5,357	4,589	3,762	6,700	12,001
Venezuela	1,116	1,023	750	2,796	2,499	-1,387	-2,598	3,647	7,299

Big Seven: Direction of Trade ^a

	Exports to (f.o.b.)					Imports from (c.i.f.)						
	World	Big Seven	Other OECD	OPEC	Com-munist	Other	World	Big Seven	Other OECD	OPEC	Com-munist	Other
United States												
1974	98,524	45,865	15,686	6,725	3,113	27,135	108,012	53,514	10,179	16,776	1,090	26,453
1975	107,655	46,941	16,247	10,768	3,376	30,323	103,417	49,807	8,832	18,699	984	25,095
1976	115,006	51,299	17,675	12,568	3,639	29,825	129,566	60,387	9,752	27,168	1,161	31,098
1977	119,430	54,548	18,958	14,019	2,716	29,187	153,511	70,747	11,228	35,603	1,440	34,492
1978	141,320	62,860	21,219	16,654	4,505	36,082	177,396	87,405	14,624	32,969	1,979	40,419
1979	178,527	79,737	28,701	15,051	7,409	47,628	212,499	97,789	16,596	45,190	2,651	50,272
1980	216,366	92,835	34,852	17,759	7,642	63,277	245,633	107,724	19,328	54,781	2,745	61,055
Japan												
1974	55,513	18,698	6,849	5,439	4,245	20,281	62,064	18,741	6,209	19,963	3,617	13,533
1975	55,728	16,559	6,067	8,416	5,166	19,523	57,847	16,932	6,081	19,402	3,364	12,069
1976	67,319	22,610	8,588	9,274	4,942	21,906	64,891	17,584	7,776	21,885	2,913	14,735
1977	78,508	28,034	9,720	12,026	5,334	23,394	70,028	18,877	7,923	24,325	3,412	15,491
1978	94,721	34,898	10,432	14,244	6,928	28,218	78,136	22,958	9,287	24,671	4,004	17,217
1979	97,952	37,543	10,167	13,272	7,479	29,490	107,377	30,667	10,761	36,049	5,484	24,416
1980	125,303	46,935	13,197	18,597	9,489	37,085	138,975	36,035	11,566	56,753	6,902	27,719
West Germany												
1974	92,061	30,730	36,422	4,069	9,137	11,703	72,121	23,853	25,485	9,201	5,795	7,787
1975	93,293	28,332	36,444	6,783	10,399	11,335	77,634	27,088	27,782	8,236	6,226	8,302
1976	105,334	33,438	41,864	8,249	10,427	11,356	91,228	31,281	32,636	9,727	7,472	10,112
1977	117,781	39,003	48,006	10,777	7,304	12,690	100,886	36,391	37,372	10,119	4,922	12,082
1978	142,099	48,522	56,947	12,254	8,887	15,489	121,095	45,043	46,300	9,683	6,329	13,741
1979	171,355	61,682	69,829	10,486	10,402	18,955	158,830	58,748	58,954	14,787	8,819	17,521
1980	192,303	69,998	77,540	12,545	10,785	21,435	186,739	69,543	67,176	20,590	9,623	19,806
France												
1974	46,384	19,363	14,895	3,019	1,992	7,115	52,897	22,060	13,612	10,113	1,678	5,432
1975	52,875	20,004	15,501	4,897	3,130	9,342	53,988	23,040	14,332	9,435	1,989	5,191
1976	57,054	22,489	16,153	5,080	3,232	10,100	64,384	27,812	16,930	11,360	2,240	6,044
1977	64,801	25,897	18,182	5,964	2,990	11,768	70,352	30,278	18,244	11,815	2,462	7,554
1978	79,163	32,736	21,705	6,501	3,290	14,932	81,611	36,564	22,129	11,887	2,807	8,224
1979	100,381	42,000	28,062	7,606	4,528	18,184	106,708	47,009	28,434	16,653	3,712	10,901
1980	115,679	46,215	31,694	9,831	5,284	22,655	134,469	56,336	33,760	25,133	5,813	13,426

United Kingdom													
1974	38,561	11,736	15,628	2,553	1,266	7,377	54,125	18,198	18,069	8,702	1,798	7,358	7,358
1975	44,033	12,546	16,591	4,546	1,559	8,788	53,350	18,470	18,515	6,914	1,676	7,774	7,774
1976	46,118	14,027	17,535	5,130	1,390	8,036	55,563	19,656	18,811	7,290	2,081	7,723	7,723
1977	57,931	17,289	22,203	6,773	1,633	10,033	63,822	24,032	21,380	6,324	2,420	9,666	9,666
1978	71,517	22,118	26,820	8,437	2,111	12,029	78,323	31,303	28,220	6,377	2,555	9,867	9,867
1979	90,784	30,240	36,223	7,256	2,610	14,455	102,486	42,672	37,161	6,973	3,298	12,382	12,382
1980	114,827	38,822	44,378	10,567	3,146	17,888	119,534	49,064	41,593	6,898	3,397	15,579	15,579
Italy													
1974	30,226	13,891	7,425	2,231	1,842	4,839	40,895	17,968	6,834	9,381	2,049	4,665	4,665
1975	34,840	15,610	7,860	3,717	2,463	5,189	38,392	17,324	6,747	7,846	2,088	4,389	4,389
1976	36,972	17,406	8,688	4,233	2,184	4,459	43,430	19,352	8,043	8,120	2,650	5,265	5,265
1977	45,260	21,023	10,265	5,872	2,464	5,635	48,012	21,103	8,801	9,049	2,822	6,236	6,236
1978	55,967	27,011	12,260	7,028	2,737	6,932	56,327	25,348	10,701	10,004	3,200	7,074	7,074
1979	72,100	35,025	16,723	7,767	3,062	9,523	77,652	34,374	14,979	13,597	4,365	10,337	10,337
1980	77,540	36,080	17,382	9,815	3,115	11,148	99,125	44,002	18,496	17,667	5,866	13,094	13,094
Canada													
1974	34,510	27,130	1,925	530	810	4,116	36,734	28,326	1,737	2,830	358	3,482	3,482
1975	33,841	26,300	1,725	712	1,198	3,907	38,592	29,782	1,703	3,430	325	3,353	3,353
1976	40,176	32,015	2,032	813	1,253	4,063	43,046	33,549	1,821	3,485	379	3,815	3,815
1977	43,485	34,985	2,196	1,198	1,078	4,028	44,765	35,945	1,788	3,053	336	3,644	3,644
1978	48,339	38,599	2,059	1,333	1,425	4,923	49,158	40,067	1,972	2,913	373	3,833	3,833
1979	58,092	45,695	3,034	1,382	1,732	6,249	60,149	49,079	2,368	3,252	537	4,912	4,912
1980	67,311	50,628	4,332	1,813	2,838	7,700	66,294	52,443	2,671	4,902	549	5,728	5,728

^a Data are from the International Monetary Fund, *Direction of Trade*. Country totals in this table do not agree with totals in Tables 49 and 50 because of different practices of reporting data in the *International Financial Statistics* and the *Direction of Trade*.

Table 53

Million US \$

Big Seven: Exports, by Commodity

	1970	1975	1976	1977	1978	1979
Big Seven	163,218	415,790	461,064	525,724	631,356	766,991
Foodstuffs	15,946	44,765	46,631	51,047	63,306	76,004
Raw materials	13,319	24,164	27,906	30,277	33,768	45,801
Fuels	5,274	18,085	18,548	20,677	23,403	36,383
Manufactures	124,555	318,916	357,692	410,778	495,235	589,732
Other	4,124	9,862	10,288	12,946	15,649	19,076
United States	43,226	107,652	114,997	120,163	143,660	176,774^a
Foodstuffs	6,919	21,105	22,098	22,710	28,709	33,253
Raw materials	4,114	7,538	7,996	8,588	10,765	15,310
Fuels	1,695	4,481	4,228	4,199	3,980	5,683
Manufactures	28,762	70,961	77,425	80,821	95,730	117,402
Other	1,736	3,568	3,251	3,847	4,478	5,127
Canada	16,185	32,300	38,370	41,293	44,080	55,117
Foodstuffs	1,975	4,399	4,669	4,811	5,038	6,287
Raw materials	4,850	7,450	9,485	10,140	10,170	13,224
Fuels	978	5,334	5,300	5,171	4,815	7,281
Manufactures	8,262	14,842	18,613	20,947	23,829	28,040
Other	119	276	304	223	227	286
Japan	19,319	55,728	67,203	80,470	97,501	102,964
Foodstuffs	674	808	939	945	1,167	1,323
Raw materials	433	1,262	1,225	1,351	1,366	1,520
Fuels	48	220	117	156	261	356
Manufactures	17,965	52,638	64,155	77,288	93,848	98,651
Other	200	800	767	731	860	1,114
West Germany	34,189	90,021	102,032	117,932	142,090	171,437
Foodstuffs	1,188	4,241	4,529	5,902	6,912	8,598
Raw materials	1,192	2,643	3,246	3,350	3,878	5,246
Fuels	1,011	2,813	2,933	3,120	4,509	5,685
Manufactures	30,232	78,706	89,622	103,172	124,047	148,695
Other	565	1,618	1,703	2,389	2,744	3,213

France	17,739	51,604	55,463	63,363	76,494	97,959
Foodstuffs	2,803	8,069	8,461	9,233	11,896	14,538
Raw materials	1,199	2,628	2,991	3,238	3,734	4,920
Fuels	376	1,410	1,615	1,893	2,047	3,490
Manufactures	13,147	39,052	41,795	48,316	58,488	74,576
Other	214	445	602	684	330	434
United Kingdom	19,351	43,660	46,032	57,439	71,483	90,504
Foodstuffs	1,259	3,221	3,112	3,980	5,709	6,414
Raw materials	1,190	1,961	2,240	2,468	2,876	4,298
Fuels	496	1,798	2,252	3,609	4,497	9,134
Manufactures	15,151	33,682	34,985	42,323	51,658	62,527
Other	1,253	2,998	3,442	5,059	6,743	8,132
Italy	13,210	34,825	36,966	45,062	56,048	72,237
Foodstuffs	1,127	2,921	2,823	3,466	3,876	5,592
Raw materials	341	682	724	1,142	978	1,282
Fuels	669	2,030	2,104	2,530	3,295	4,754
Manufactures	11,036	29,035	31,097	37,912	47,633	59,839
Other	37	157	218	13	267	770

^a Does not include about \$5 billion in non-monetary gold.

Big Seven: Imports, by Commodity

	1970	1975	1976	1977	1978	1979
Big Seven	157,592	408,071	474,774	539,211	629,790	823,350
Foodstuffs	27,228	60,387	64,640	75,501	85,237	101,174
Raw materials	27,828	45,582	53,969	57,101	63,630	87,010
Fuels	17,018	101,364	117,702	132,710	135,166	198,331
Manufactures	81,261	190,483	227,683	261,396	329,210	416,861
Other	4,260	10,255	10,779	12,503	16,547	19,984
United States	39,962	96,941	121,792	147,847	173,290	217,455
Foodstuffs	6,446	10,518	12,399	14,680	16,287	19,955
Raw materials	4,687	8,116	10,163	11,381	13,777	16,253
Fuels	3,081	26,403	33,928	44,198	42,018	63,735
Manufactures	23,988	48,526	61,588	73,264	95,895	111,907
Other	1,761	3,377	3,713	4,323	5,309	5,608
Canada	13,348	33,954	37,934	39,485	41,697	52,622
Foodstuffs	1,153	2,817	3,090	3,303	3,381	3,837
Raw materials	727	1,578	1,719	1,639	1,775	2,701
Fuels	749	4,090	4,103	3,920	3,770	4,884
Manufactures	10,518	25,071	28,405	30,116	32,268	40,422
Other	202	397	616	506	503	778
Japan	18,883	57,840	64,505	70,560	78,731	110,108
Foodstuffs	3,195	10,344	10,805	11,872	13,250	16,611
Raw materials	7,188	11,421	13,293	14,340	15,974	23,509
Fuels	3,906	25,641	28,287	31,149	31,336	45,286
Manufactures	4,381	9,849	11,455	12,442	16,782	22,783
Other	213	584	664	759	1,392	1,922
West Germany	29,814	74,208	87,783	100,701	120,668	157,682
Foodstuffs	5,524	12,092	13,711	16,245	18,368	20,864
Raw materials	5,109	8,095	9,567	10,069	11,056	14,823
Fuels	2,627	13,099	15,828	17,230	19,538	30,957
Manufactures	15,608	38,760	46,048	54,653	68,684	87,197
Other	947	2,163	2,631	2,506	3,023	3,843

France	18,922	53,606	64,016	70,276	81,865	106,711
Foodstuffs	2,798	6,921	7,576	9,794	11,500	12,765
Raw materials	2,675	5,050	5,946	6,159	6,532	8,962
Fuels	2,291	12,260	14,369	15,089	15,937	22,949
Manufactures	11,103	29,210	35,946	38,994	47,453	61,380
Other	55	165	179	240	443	657
United Kingdom	21,724	53,595	55,951	63,658	78,425	102,613
Foodstuffs	5,267	10,345	9,686	11,388	12,806	15,092
Raw materials	4,342	6,048	6,790	6,922	6,991	9,633
Fuels	2,270	9,613	10,137	9,123	9,220	12,174
Manufactures	8,804	24,180	26,502	32,229	43,823	58,894
Other	1,042	3,409	2,835	3,995	5,585	6,822
Italy	14,939	37,928	42,794	46,683	55,115	76,158
Foodstuffs	2,846	7,350	7,374	8,219	9,647	12,050
Raw materials	3,100	5,274	6,491	6,590	7,525	11,130
Fuels	2,095	10,258	11,050	12,002	13,346	18,346
Manufactures	6,859	14,888	17,739	19,699	24,306	34,278
Other	40	159	140	173	291	354

Big Seven: Trade Balance, by Commodity

	1970	1975	1976	1977	1978	1979
Big Seven	5,626	7,719	-13,710	-13,487	1,567	-56,359
Foodstuffs	-11,282	-15,622	-18,009	-24,454	-21,931	-25,170
Raw materials	-14,508	-21,418	-26,063	-26,824	-29,862	-41,209
Fuels	-11,744	-83,279	-99,154	-112,033	-111,763	-161,948
Manufactures	43,294	128,433	130,009	149,382	166,024	172,871
Other	-136	-393	-491	444	-898	-908
United States	3,264	10,711	-6,795	-27,684	-29,630	-40,682
Foodstuffs	473	10,587	9,699	8,030	12,422	13,298
Raw materials	-573	-578	-2,167	-2,793	-3,012	-943
Fuels	-1,386	-21,923	-29,700	-39,999	-38,038	-58,053
Manufactures	4,774	22,435	15,837	7,557	-165	5,496
Other	-24	191	-462	-476	-831	-487
Canada	2,836	-1,654	437	1,808	2,383	2,495
Foodstuffs	823	1,582	1,579	1,508	1,658	2,450
Raw materials	4,123	5,872	7,765	8,501	8,395	10,523
Fuels	229	1,243	1,197	1,251	1,045	2,396
Manufactures	-2,255	-10,229	-9,792	-9,169	-8,439	-12,382
Other	-83	-121	-312	-283	-276	-492
Japan	437	-2,112	2,698	9,910	18,770	-7,144
Foodstuffs	-2,521	-9,536	-9,866	-10,927	-12,083	-15,288
Raw materials	-6,755	-10,158	-12,068	-12,989	-14,608	-21,988
Fuels	-3,858	-25,422	-28,170	-30,993	-31,076	-44,930
Manufactures	13,584	42,788	52,700	64,846	77,067	75,869
Other	-13	216	102	-28	-532	-808
West Germany	4,375	15,814	14,249	17,232	21,422	13,755
Foodstuffs	-4,335	-7,850	-9,182	-10,343	-11,456	-12,266
Raw materials	-3,917	-5,452	-6,321	-6,719	-7,177	-9,577
Fuels	-1,616	-10,286	-12,895	-14,110	-15,030	-25,272
Manufactures	14,624	39,946	43,574	48,519	55,363	61,498
Other	-382	-545	-928	-117	-279	-630

France	-1,184	-2,002	-8,553	-6,912	-5,370	-8,752
Foodstuffs	5	1,148	886	-561	396	-1,773
Raw materials	-1,476	-2,422	-2,956	-2,922	-2,798	-4,041
Fuels	-1,915	-10,850	-12,755	-13,197	-13,890	-19,458
Manufactures	2,044	9,842	5,849	9,322	11,035	13,196
Other	158	280	423	444	-113	-223
United Kingdom	-2,373	-9,935	-9,919	-6,219	-6,941	-12,110
Foodstuffs	-4,007	-7,124	-6,574	-7,408	-7,096	-8,678
Raw materials	-3,151	-4,087	-4,549	-4,454	-4,115	-5,334
Fuels	-1,773	-7,815	-7,885	-5,514	-4,724	-3,040
Manufactures	6,348	9,502	8,483	10,094	7,835	3,632
Other	211	-412	607	1,064	1,158	1,310
Italy	-1,729	-3,103	-5,827	-1,621	934	-3,921
Foodstuffs	-1,719	-4,428	-4,551	-4,753	-5,771	-6,459
Raw materials	-2,760	-4,592	-5,767	-5,448	-6,547	-9,848
Fuels	-1,426	-8,227	-8,946	-9,472	-10,051	-13,592
Manufactures	4,177	14,147	13,359	18,213	23,327	25,561
Other	-3	-2	78	-160	-24	416

Table 56

1970 = 100

Selected Non-OPEC LDCs: Indexes of Export Prices, Import Prices, and Terms of Trade ^a

	1973	1974	1975	1976	1977	1978	1979
Non-OPEC LDCs							
Export	139	191	185	194	226	233	274
Import	137	206	217	217	230	254	299
Terms of Trade	101	93	85	89	98	92	92
Brazil							
Export	150	189	189	217	266	246	268
Import	139	210	217	224	232	247	297
Terms of Trade	108	90	87	97	115	100	90
Colombia							
Export	132	172	175	257	376	315	310
Import	126	158	173	180	192	215	238
Terms of Trade	105	109	101	143	196	147	130
El Salvador							
Export	129	161	164	241	317	266	303
Import	126	179	197	193	193	215	242
Terms of Trade	102	90	83	125	164	124	125
Ethiopia							
Export	128	138	123	219	222	221	239
Import	135	147	155	164	177	197	212
Terms of Trade	95	94	79	134	125	112	113
India							
Export	132	160	172	170	199	211	N.A.
Import	127	194	226	219	210	228	N.A.
Terms of Trade	104	82	76	78	95	93	N.A.
Jordan							
Export	123	256	291	253	245	259	280
Import	145	189	259	223	251	251	285
Terms of Trade	85	135	112	113	985	103	98
Kenya							
Export	124	156	175	206	297	269	297
Import	133	179	221	225	248	278	331
Terms of Trade	93	87	79	92	120	97	90
Malaysia							
Export	157	220	183	214	246	273	368
Import	163	234	249	239	254	276	313
Terms of Trade	96	94	73	90	97	99	118

Mauritius									
Export	154	364	454	336	332	350	350	N.A.	N.A.
Import	154	239	257	257	283	324	324	N.A.	N.A.
Terms of Trade	100	152	177	131	117	108	108	N.A.	N.A.
Morocco									
Export	137	265	308	222	206	234	234	N.A.	N.A.
Import	158	213	232	211	160	N.A.	N.A.	N.A.	N.A.
Terms of Trade	87	124	133	105	129	N.A.	N.A.	N.A.	N.A.
Pakistan									
Export	151	196	173	189	227	227	227	272	272
Import	113	194	220	211	218	231	231	260	260
Terms of Trade	134	101	79	90	104	98	98	105	105
Philippines									
Export	124	212	168	148	150	168	168	207	207
Import	137	247	258	255	283	289	289	340	340
Terms of Trade	91	86	65	58	53	58	58	61	61
South Korea									
Export	126	160	148	166	181	200	200	240	240
Import	135	210	217	212	217	229	229	279	279
Terms of Trade	93	76	68	78	83	87	87	86	86
Sri Lanka									
Export	108	162	143	140	209	223	223	243	243
Import	138	235	261	196	222	240	240	365	365
Terms of Trade	78	69	55	71	94	93	93	67	67
Syria									
Export	174	338	291	358	381	408	408	533	533
Import	168	245	273	327	294	316	316	393	393
Terms of Trade	104	138	107	109	130	129	129	136	136
Thailand									
Export	158	240	212	206	210	229	229	272	272
Import	131	215	239	251	270	294	294	337	337
Terms of Trade	121	112	89	82	78	78	78	81	81
Tunisia									
Export	180	359	395	328	340	375	375	529	529
Import	140	178	215	198	202	213	213	234	234
Terms of Trade	129	202	184	166	168	176	176	226	226

^a Data are from the *International Financial Statistics*. US dollar indexes for total exports and total imports converted from national data, with the original 1975 comparison base shifted to 1970.

Table 57

Billion US \$

Selected Countries: Oil Import Bill ^a

	1965	1970	1973	1975	1976	1977	1978	1979	1980
OECD									
United States ^b	2.1	2.3	7.0	23.8	30.8	40.2	37.7	56.0	69.0
Japan	1.3	2.7	6.7	20.8	23.2	25.7	25.5	38.0	57.9
Spain	0.2	0.4	0.9	3.5	4.3	4.3	4.5	6.7	N.A.
European Community									
France	0.9	1.6	3.3	9.3	11.1	10.7	11.5	15.7	26.6
Italy	0.6	1.2	2.4	7.3	8.0	8.4	8.7	11.9	20.5
Netherlands	0.2	0.3	0.5	1.6	2.5	2.8	2.7	4.6	6.6
United Kingdom	1.4	1.8	3.3	7.7	7.8	5.4	4.4	2.3	0
West Germany	1.0	2.0	5.1	10.7	12.9	13.6	14.7	24.4	32.1
Less Developed Countries									
Brazil	N.A.	0.2	0.7	2.7	4.0	4.1	4.3	6.7	9.8
India	N.A.	0.2	0.7	1.4	1.6	1.9	2.1	4.1	7.1
South Korea	N.A.	0.1	0.3	1.2	1.5	2.0	2.3	3.4	6.0
China (Taiwan)	N.A.	0.1	0.2	0.6	1.2	1.3	1.5	2.4	4.7
Philippines	N.A.	0.1	0.2	0.8	0.9	0.1	0.9	1.5	2.4
Thailand	N.A.	0.1	0.2	0.7	0.8	1.0	1.1	1.7	2.9
Colombia	N.A.	-0.1	-0.1	-0.1	Negl.	0.1	0.1	0.2	0.4
Pakistan	N.A.	0.1	0.1	0.4	0.4	0.3	0.4	0.5	1.1
Hong Kong	N.A.	0.1	0.1	0.4	0.5	0.6	0.6	0.9	1.4
Chile	N.A.	0.1	0.1	0.3	0.3	0.4	0.5	0.8	1.1

^a Total cost of imported crude oil and petroleum products (on a c.i.f. basis) less earnings of exports of these items (on an f.o.b. basis).

^b On an f.o.b. basis.

Table 58

Million US \$

Soviet Foreign Trade ^a

	Total Trade	Communist Countries					Non-Communist Countries			
		Total	Eastern Europe	China	Other Asian	Other ^b	Total	Developed Countries	Less Developed Countries	
									Total	Unspecified
1960	Exports Imports	5,558 5,623	3,071 2,792	816 847	66 101	256 237	1,348 1,645	996 1,098	353 547	68 43
1965	Exports Imports	8,166 8,050	4,548 4,668	191 225	167 120	647 592	2,612 2,444	1,473 1,620	1,139 824	337 55
1970	Exports Imports	12,787 11,720	6,752 7,630	25 22	415 156	1,167 826	4,428 4,089	2,414 2,814	2,014 1,275	846 73
1975	Exports Imports	33,401 37,070	16,494 15,723	129 150	480 277	3,168 3,265	13,130 17,654	8,382 13,473	4,748 4,181	2,137 144
1976	Exports Imports	37,269 38,212	17,432 16,261	239 179	565 242	3,654 3,406	15,378 18,123	10,269 14,360	5,109 3,763	2,588 178
1977	Exports Imports	45,227 40,926	20,762 23,354	161 177	628 400	4,458 3,938	19,219 17,573	12,226 13,416	6,993 4,157	3,754 228
1978	Exports Imports	52,395 50,795	24,910 24,661	241 257	726 521	5,367 5,056	21,151 20,300	12,932 16,228	8,219 4,072	4,214 93
1979	Exports Imports	64,913 57,961	28,380 32,801	268 241	1,081 618	6,423 5,191	28,761 25,160	19,586 19,718	9,175 5,442	4,345 741
1980	Exports Imports	76,470 68,477	32,216 29,407	294 230	1,201 681	7,752 6,106	35,006 32,053	24,427 24,211	10,579 7,842	4,762 192

^a Official Soviet statistics using US dollar exchange rates for the Soviet foreign exchange ruble as announced by the State Bank of the USSR. Exports and imports are f.o.b.

^b Cuba, Mongolia, and Yugoslavia.

Table 59

Soviet Exports ^a

Million US \$

	1960	1965	1970	1975	1976	1977	1978	1979
Total exports	5,558	8,166	12,787	33,401	37,269	45,227	52,395	64,913
Machinery and equipment	1,141	1,634	2,753	6,230	7,219	8,493	10,277	11,378
Fuels, lubricants, and related materials	902	1,403	1,986	10,470	12,773	15,853	18,695	27,393
Coal and coke ^b	242	384	408	1,399	1,350	1,422	143	1,504
Petroleum and petroleum products	657	998	1,469	8,212	10,210	12,778	14,776	22,211
Ores and concentrates	243	310	403	867	839	829	887	919
Iron ore	175	250	325	692	629	599	628	656
Base metals and manufactures	837	1,329	1,978	3,813	3,873	2,817	2,987	3,113
Ferrous metals	642	997	1,351	2,673	2,734	2,814	2,987	3,113
Rolled ferrous metals	480	716	961	1,794	1,879	1,889	2,020	2,138
Nonferrous metals	195	331	627	1,140	1,138	3	N.A.	N.A.
Aluminum	35	111	184	356	N.A.	N.A.	N.A.	N.A.
Chemicals	150	244	364	1,027	939	1,063	1,284	1,606
Wood and wood products	305	593	831	1,916	1,995	2,299	2,339	2,666
Lumber	183	312	333	780	817	934	936	1,031
Textile raw materials and semimanufactures	358	421	437	976	1,067	1,448	1,313	1,304
Cotton fiber	288	334	372	917	1,013	1,372	1,229	1,221
Consumer goods	908	904	1,356	2,377	2,020	2,336	2,304	2,855
Food (foodstuffs)	702	664	1,019	1,556	1,106	1,391	1,157	1,661
Grain ^c	467	270	399	508	213	515	207	559
Other consumer goods	205	240	337	821	913	945	1,146	1,195
Other and unspecified	714	1,328	2,679	5,725	6,544	10,089	12,309	13,679

^a Official Soviet statistics using US dollar exchange rates for the Soviet foreign exchange ruble as announced by the State Bank of the USSR. Exports are f.o.b.

^b Including small amounts of charcoal and other solid fuels.

^c Excluding wheat flour.

Table 60

Million US \$

Soviet Imports ^a

	1960	1965	1970	1975	1976	1977	1978	1979
Total imports	5,623	8,050	11,720	37,070	38,212	40,926	50,795	57,961
Machinery and equipment	1,673	2,690	4,166	12,574	13,868	15,587	21,354	22,015
Transportation equipment	659	990	1,232	3,326	3,123	3,142	3,942	4,335
Fuels, lubricants, and related materials	237	198	228	1,447	1,374	1,473	1,880	2,201
Coal and coke	93	123	124	499	480	N.A.	N.A.	N.A.
Petroleum and petroleum products	144	75	82	695	661	N.A.	N.A.	N.A.
Ores and concentrates	314	315	303	583	536	574	578	746
Base metals and manufactures	545	389	691	3,595	3,304	2,480	3,414	4,499
Ferrous metals	373	314	593	3,346	3,029	2,466	3,400	4,478
Rolled ferrous metals	338	287	568	3,197	2,865	2,287	3,176	4,194
Nonferrous metals	172	75	98	249	275	15	14	21
Tin	35	21	30	65	N.A.	N.A.	N.A.	N.A.
Chemicals	149	373	618	1,747	1,668	1,850	2,188	2,803
Rubber and rubber products	196	199	192	307	357	N.A.	N.A.	N.A.
Wood and wood products	105	150	248	796	670	723	747	847
Textile raw materials and semimanufactures	364	358	561	887	894	1,087	1,025	1,122
Cotton fiber	180	162	249	271	234	226	93	158
Wool fiber	118	100	120	265	304	373	420	487
Consumer goods	1,573	2,656	3,789	12,720	12,574	12,802	14,750	17,834
Food	613	1,512	1,590	7,844	7,736	7,523	8,822	11,395
Wheat and wheat flour	10	424	139	1,711	1,198	1,016	1,026	1,532
Other consumer goods	960	1,144	2,199	4,876	4,838	5,279	5,928	6,440
Other and unspecified	466	723	926	2,414	2,967	4,350	4,859	5,894

^a Official Soviet statistics using US dollar exchange rates for the Soviet foreign exchange ruble as announced by the State Bank of the USSR. Imports are f.o.b.

Table 61

Million US \$

Chinese Foreign Trade ^a

		Communist Countries			Non-Communist Countries		
		Total	Eastern Europe	USSR	Other ^b	Total	Less Developed Countries ^c
		Trade					Countries
1965	Exports	2,035	95	225	330	1,385	575
	Imports	1,680	110	190	215	1,165	805
1970	Exports	2,155	255	20	205	1,675	660
	Imports	2,045	225	25	140	1,655	1,370
1975	Exports	7,130	630	150	595	5,755	2,610
	Imports	6,830	595	130	280	5,825	4,985
1976	Exports	7,265	540	180	510	6,035	2,695
	Imports	5,575	610	240	230	4,500	3,770
1977	Exports	8,110	705	180	470	6,755	2,940
	Imports	6,595	650	160	255	5,530	4,165
1978	Exports	10,120	980	260	325	8,555	3,775
	Imports	10,315	970	240	325	8,780	7,270
1979	Exports	13,785	1,700	240	385	12,085	5,645
	Imports	14,375	1,855	270	375	12,520	10,165
1980	Exports	19,780	2,035	225	425	17,745	8,260
	Imports	19,415	1,990	260	425	17,425	13,430
							3,995

^a Data are f.o.b. and rounded to the nearest US \$5 million.^b Including data for Albania, Cuba, Mongolia, North Korea, Vietnam, and Yugoslavia.^c Including data for Hong Kong and Macao.

Table 62

Million US \$

Chinese Exports ^a

	1970			1975			1976			1977			1978			1979		
	Total	Com-munist	Non-Com-munist	Total	Com-munist	Non-Com-munist	Total	Com-munist	Non-Com-munist	Total	Com-munist	Non-Com-munist	Total	Com-munist	Non-Com-munist	Total	Com-munist	Non-Com-munist
Total ^b	2,150	480	1,680	7,120	1,370	5,755	7,265	1,230	6,035	8,085	1,355	6,735	10,075	1,565	8,510	13,675	1,655	12,020
Foodstuffs	680	90	590	2,110	385	1,725	1,945	295	1,650	1,960	305	1,655	2,275	270	2,005	2,630	275	2,355
Animals, meat, and fish	220	20	200	625	60	565	660	20	640	245	0	245	780	40	740	885	30	855
Grains	115	30	80	715	200	515	450	180	270	395	155	245	350	90	260	335	85	250
Fruits and vegetables	175	25	150	355	65	290	385	35	350	500	70	425	580	60	520	720	75	645
Crude materials	460	60	400	1,930	355	1,570	1,800	305	1,495	2,065	350	1,715	2,595	420	2,175	4,035	595	3,440
Oilseeds	65	0	65	140	5	135	85	5	80	85	15	70	95	15	80	200	30	170
Textile fibers	100	10	95	250	40	210	285	30	255	290	10	280	400	25	375	510	20	490
Crude animal materials	120	35	80	230	35	195	260	20	240	85	15	60	375	45	330	445	60	385
Petroleum and petroleum products	0	0	0	900	95	810	840	135	705	1,020	165	865	1,250	175	1,075	2,185	295	1,890
Chemicals	110	25	85	295	45	255	330	40	290	410	60	350	475	65	410	800	80	720
Manufactures	895	300	595	2,715	550	2,170	3,085	535	2,550	3,630	640	2,995	4,690	810	3,880	6,150	700	5,450
Textile yarn and fabric	350	80	270	1,055	225	835	1,155	225	930	1,235	225	1,010	1,685	270	1,415	2,225	315	1,910
Clothing	160	85	70	340	95	250	425	80	345	600	105	495	730	135	595	1,115	115	1,000
Iron and steel	40	25	15	85	25	60	105	25	80	95	30	70	165	35	130	210	25	185
Nonferrous metals	25	10	15	120	30	90	90	35	55	75	40	35	125	50	75	140	60	80
Other	15	5	10	70	35	35	105	55	50	20	0	20	40	0	40	60	5	55

^a Data are f.o.b. and rounded to the nearest \$5 million. Because of rounding, components may not add to the totals shown. Estimates are based on data reported by trading partners. Where data are incomplete, as for most less developed countries and for many of the Communist countries, estimates are based on fragmentary information from trade agreements and press reports and on commodity breakdowns available for earlier years.

^b Totals may differ from those in table 61. Commodity data are updated on an annual basis while the direction of trade figures in table 61 are revised monthly as new partner country data becomes available.

Table 63

Chinese Imports^a

	1970			1975			1976			1977			1978			1979		
	Total	Com-munist	Non-Com-munist	Total	Com-munist	Non-Com-munist	Total	Com-munist	Non-Com-munist	Total	Com-munist	Non-Com-munist	Total	Com-munist	Non-Com-munist	Total	Com-munist	Non-Com-munist
Total ^b	2,045	390	1,655	6,830	1,005	5,825	6,010	1,105	4,905	6,615	1,065	5,550	10,305	1,535	8,770	14,345	1,810	12,540
Foodstuffs	360	70	290	820	100	715	560	90	465	1,005	70	935	1,325	120	1,205	1,770	105	1,665
Grains	255	0	255	625	10	610	325	0	325	655	0	655	965	0	965	1,430	0	1,430
Crude materials	385	90	295	960	195	770	895	200	695	1,405	195	1,210	1,780	180	1,600	2,301	155	2,155
Rubber	70	0	70	145	10	130	155	15	140	205	15	190	190	0	190	310	0	310
Textile fibers	100	0	100	330	0	325	305	0	305	580	70	500	870	5	865	1,150	1,145	5
Chemicals	220	15	205	760	65	695	600	110	490	835	95	740	1,085	125	960	1,390	205	1,185
Fertilizer	130	0	125	375	40	335	230	95	130	320	65	255	430	85	345	615	175	440
Manufactures	1,075	215	860	4,245	630	3,615	3,900	670	3,225	3,340	710	2,630	6,065	1,105	4,960	8,760	1,330	7,430
Textile yarn and fabric	40	0	40	80	0	80	125	0	120	165	10	155	210	10	200	310	20	290
Iron and steel	370	35	330	1,430	115	1,310	1,445	100	1,340	1,445	75	1,370	2,870	135	2,735	3,310	170	3,140
Nonferrous metals	190	10	175	415	20	390	260	20	240	250	30	220	410	45	365	490	55	435
Machinery and equipment	360	140	225	1,990	440	1,560	1,770	475	1,295	1,140	475	665	1,900	1,195	705	3,675	2,820	855
Other	10	0	10	45	15	30	55	35	20	30	0	30	45	5	40	120	15	105

^a Data are f.o.b. and rounded to the nearest \$5 million. Because of rounding, components may not add to the totals shown. Estimates are based on data reported by trading partners.

^b Totals may differ from those in table 61. Commodity data are updated on an annual basis while the direction of trade figures in table 61 are revised monthly as new partner country data becomes available.

Table 64

Million US \$

East European Foreign Trade ^a

	Total Trade	Communist Countries			Non-Communist Countries		
		Total	USSR	Eastern Europe	Other ^b	Total	Less Developed Countries
1960	Exports Imports	7,624 7,754	2,817 2,954	2,102 2,084	604 503	2,101 2,213	1,603 1,772
1965	Exports Imports	11,789 11,611	4,692 4,436	3,172 3,111	559 567	3,366 3,497	2,581 2,765
1970	Exports Imports	18,159 18,522	6,612 6,803	4,955 4,908	979 792	5,613 6,019	4,426 5,052
1975	Exports Imports	45,269 51,314	15,619 16,345	12,230 12,238	2,344 2,024	15,076 20,707	11,282 17,687
1976	Exports Imports	49,493 55,620	16,227 17,232	13,878 13,858	2,653 1,836	16,735 22,694	12,817 19,163
1977	Exports Imports	56,520 62,661	19,236 20,916	16,021 15,704	2,968 2,458	18,295 23,583	13,341 19,415
1978	Exports Imports	65,551 72,621	23,019 24,778	18,071 18,046	3,506 3,267	20,955 26,530	15,338 21,910
1979	Exports Imports	76,866 82,589	27,086 28,519	20,372 19,834	3,567 3,229	25,841 31,007	18,836 24,392
1980	Exports Imports	N.A. N.A.	29,758 31,995	N.A. N.A.	N.A. N.A.	N.A. N.A.	22,401 26,027

^a Official East European statistics. Trade with the Communist countries was derived by converting the value of the trade expressed in the currency of each East European country to rubles and then to dollars at the prevailing foreign exchange rate. Exports are on an f.o.b. basis. Imports are f.o.b. except for Hungary, which is on a c.i.f. basis.

^b Including data for Albania, China, Cuba, Mongolia, North Korea, Vietnam, and Yugoslavia.

Table 65

Million US \$

East European Exports, by Country ^a

	1960	1965	1970	1975	1976	1977	1978	1979	1980 ^b
Bulgaria	571	1,176	2,004	4,807	5,316	6,303	7,485	9,013	10,163
USSR	307	614	1,078	2,643	2,875	3,396	4,048	4,673	5,063
Eastern Europe	151	275	431	968	1,163	1,373	1,506	1,622	1,680
Developed Countries	73	190	289	474	626	663	763	1,298	1,719
Less Developed Countries	18	52	125	463	428	604	785	1,037	1,374
Czechoslovakia	1,929	2,688	3,792	8,158	8,745	10,011	11,669	13,313	16,034
USSR	659	1,023	1,222	2,664	2,934	3,397	4,041	4,771	5,525
Eastern Europe	561	789	1,213	2,621	2,986	3,376	3,857	4,046	4,321
Developed Countries	335	468	783	1,673	1,671	1,943	2,143	2,690	3,557
Less Developed Countries	200	255	331	706	658	802	979	1,044	1,633
East Germany ^c	2,207	3,085	4,647	10,680	11,645	12,778	14,963	16,610	N.A.
USSR	924	1,311	1,742	3,700	3,657	4,306	5,291	6,080	6,756
Eastern Europe	588	852	1,386	3,368	3,691	4,160	4,765	5,783	N.A.
Developed Countries	446	657	1,078	2,631	3,170	3,007	3,386	3,564	4,300
Less Developed Countries	89	131	183	431	473	571	772	977	1,300
Hungary	874	1,510	2,317	5,694	6,643	7,959	8,814	11,117	12,359
USSR	256	525	790	2,154	2,346	2,817	3,208	3,779	4,527
Eastern Europe	278	468	648	1,591	1,950	2,365	2,666	3,303	3,289
Developed Countries	192	342	630	1,327	1,553	1,712	1,980	2,636	2,933
Less Developed Countries	58	107	137	364	392	473	555	723	850
Poland	1,326	2,228	3,548	10,510	10,969	12,405	14,527	16,864	16,938
USSR	390	781	1,251	3,362	3,310	3,957	5,006	6,096	5,612
Eastern Europe	335	528	882	2,671	2,888	3,155	3,384	3,739	3,790
Developed Countries	403	647	1,024	3,278	3,563	3,877	4,425	5,056	5,792
Less Developed Countries	93	172	258	845	878	1,005	1,073	1,294	1,154
Romania	717	1,102	1,851	5,420	6,175	7,064	8,093	9,949	N.A.
USSR	281	438	529	1,096	1,105	1,363	1,425	1,687	2,275
Eastern Europe	189	260	395	1,011	1,200	1,592	1,893	1,879	N.A.
Developed Countries	154	277	622	1,899	2,234	2,139	2,641	3,592	4,100
Less Developed Countries	40	68	153	985	1,089	1,499	1,453	1,930	N.A.

^a Domestic currency converted into US dollars at the exchange rate prevailing at time of transactions. Exports are on an f.o.b. basis. Trade with the Communist countries was derived by converting the value of the trade expressed in the currency of each East European country to rubles and then to dollars at the prevailing foreign exchange rate.

^b Preliminary.

^c The official West German deutsche mark/US dollar rate was used to convert intra-German trade in East German marks to US dollars because using the East German mark/US dollar rate understates the value of trade. East Germany converts West German marks into East German marks at parity, but actually the East German mark is worth less than the West German mark.

Table 66

Million US \$

East European Imports, by Country ^a

	1960	1965	1970	1975	1976	1977	1978	1979 ^b	1980 ^b
Bulgaria	625	1,178	1,831	5,528	5,559	6,344	7,658	8,580	9,339
USSR	332	589	955	2,826	3,018	3,617	4,571	5,042	5,450
Eastern Europe	174	236	372	1,007	1,055	1,245	1,433	1,587	1,620
Developed Countries	89	266	355	1,289	1,045	1,019	1,151	1,321	1,657
Less Developed Countries	13	37	81	209	237	263	249	300	376
Czechoslovakia	1,816	2,673	3,695	8,874	9,410	10,883	12,488	14,371	15,610
USSR	630	955	1,209	2,818	3,022	3,637	4,377	5,131	5,669
Eastern Europe	524	851	1,123	2,839	3,009	3,353	4,007	4,401	4,506
Developed Countries	360	514	917	2,244	2,429	2,640	2,897	3,408	3,749
Less Developed Countries	161	197	214	501	498	733	606	709	841
East Germany ^c	2,194	2,823	4,923	11,947	13,514	15,049	16,452	18,384	N.A.
USSR	958	1,205	1,945	4,172	4,234	5,137	5,686	6,546	7,610
Eastern Europe	496	693	1,246	3,147	3,668	4,183	4,750	5,105	N.A.
Developed Countries	484	656	1,378	3,704	4,626	4,365	4,622	5,681	6,050
Less Developed Countries	90	120	182	483	608	723	673	885	N.A.
Hungary	976	1,520	2,505	6,795	7,252	8,558	10,584	11,919	12,858
USSR	303	553	832	2,284	2,394	2,859	3,672	4,325	4,568
Eastern Europe	317	415	726	1,813	2,024	2,280	2,451	2,875	3,076
Developed Countries	237	383	678	1,966	2,027	2,441	3,210	3,330	3,900
Less Developed Countries	58	113	177	498	524	640	710	712	750
Poland	1,495	2,340	3,608	12,752	13,823	14,767	16,513	18,167	19,123
USSR	465	728	1,361	3,294	3,509	4,310	5,036	5,834	6,628
Eastern Europe	400	706	1,000	2,354	2,770	3,046	3,549	3,729	3,903
Developed Countries	447	583	938	6,199	6,798	6,374	6,531	6,665	6,446
Less Developed Countries	99	210	196	597	577	700	861	1,373	1,654
Romania	648	1,077	1,960	5,418	6,062	7,060	8,926	11,168	N.A.
USSR	266	406	501	951	1,055	1,356	1,436	1,641	2,080
Eastern Europe	173	210	441	1,078	1,332	1,597	1,856	2,137	N.A.
Developed Countries	155	363	786	2,285	2,238	2,576	3,499	3,987	4,225
Less Developed Countries	20	55	117	732	1,087	1,109	1,521	2,636	N.A.

^a Imports are f.o.b. except for Hungary, which is on a c.i.f. basis. Trade with the Communist countries was derived by converting the value of the trade expressed in the currency of each East European country to rubles and then to dollars at the prevailing foreign exchange rate.

^b Preliminary.

^c The official West German deutsche mark/US dollar rate was used to convert intra-German trade in East German marks to US dollars because using the East German mark/US dollar rate understates the value of trade. East Germany converts West German marks into East German marks at parity, but actually the East German mark is worth less than the West German mark.

Table 67

Million US \$

East European Exports, by Commodity Group ^a

	1970	1975	1976	1977	1978	1979 ^b	1980 ^b
Bulgaria	2,004	4,807	5,316	6,303	7,485	9,013	10,163
Machinery and equipment	581	1,956	2,233	2,855	3,525	4,029	4,542
Fuels, minerals, and metals	162	375	468	536	666	1,181	1,513
Agricultural and forestry products	870	1,620	1,744	1,847	2,028	2,298	N.A.
Manufactured consumer goods	295	495	510	605	734	847	894
Other	96	361	361	460	532	658	N.A.
Czechoslovakia	3,792	8,158	8,745	10,011	11,669	13,313	16,034
Machinery and equipment	1,911	3,916	4,373	5,136	6,161	6,803	N.A.
Fuels, minerals, and metals	705	1,574	1,627	1,672	1,785	2,263	N.A.
Agricultural and forestry products	277	587	595	741	887	1,038	N.A.
Manufactured consumer goods	629	1,485	1,539	1,752	1,972	2,197	N.A.
Other	270	596	611	710	864	1,012	N.A.
East Germany	4,647	10,680	11,645	12,778	14,963	16,610	N.A.
Machinery and equipment	2,402	5,415	5,962	6,823	8,230	9,268	N.A.
Fuels, minerals, and metals	469	1,292	1,316	1,431	1,511	1,960	N.A.
Agricultural and forestry products	344	972	1,188	920	1,167	1,013	N.A.
Manufactured consumer goods	939	1,666	1,677	1,955	2,244	2,475	N.A.
Other	493	1,335	1,502	1,649	1,811	1,894	N.A.
Hungary	2,317	5,694	6,643	7,959	8,814	11,117	12,359
Machinery and equipment	755	2,107	2,239	2,674	3,050	3,802	N.A.
Fuels, minerals, and metals	334	678	884	1,051	1,111	1,601	N.A.
Agricultural and forestry products	619	1,435	1,787	2,093	2,274	2,657	N.A.
Manufactured consumer goods	494	1,162	1,275	1,536	1,763	2,001	N.A.
Other	115	312	458	605	616	1,056	N.A.
Poland	3,548	10,510	10,969	12,405	14,527	16,864	16,938
Machinery and equipment	1,366	4,109	4,541	5,334	6,406	7,741	N.A.
Fuels, minerals, and metals	848	3,058	2,918	3,076	3,501	4,047	N.A.
Agricultural and forestry products	600	1,209	1,338	1,439	1,583	1,788	N.A.
Manufactured consumer goods	571	1,534	1,645	1,948	2,368	2,563	N.A.
Other	163	600	527	608	669	725	N.A.
Romania	1,851	5,420	6,175	7,064	8,093	9,949	N.A.
Machinery and equipment	422	1,371	1,587	1,886	2,307	2,607	N.A.
Fuels, minerals, and metals	420	1,209	1,488	1,469	1,805	2,905	N.A.
Agricultural and forestry products	496	1,225	1,389	1,724	1,619	1,701	N.A.
Manufactured consumer goods	335	873	1,013	1,173	1,416	1,622	N.A.
Other	178	742	698	812	946	1,114	N.A.

^a The values of East European exports by commodity group were calculated by applying East European data on percentage breakdowns to total exports expressed in US dollars (see Table 65, footnote a).

Table 68

Million US \$

East European Imports, by Commodity Group ^a

	1970	1975	1976	1977	1978	1979	1980
Bulgaria	1,831	5,528	5,559	6,344	7,658	8,580	9,339
Machinery and equipment	743	2,289	2,290	2,512	3,086	3,183	3,313
Fuels, minerals, and metals	533	1,852	1,929	2,392	2,956	3,552	4,015
Agricultural and forestry products	291	702	667	666	766	841	N.A.
Manufactured consumer goods	104	282	272	285	314	386	411
Other	160	403	401	489	536	618	N.A.
Czechoslovakia	3,695	8,874	9,410	10,883	12,488	14,371	15,610
Machinery and equipment	1,234	3,204	3,378	4,244	4,983	5,260	N.A.
Fuels, minerals, and metals	868	2,467	2,719	3,123	3,721	4,455	N.A.
Agricultural and forestry products	890	1,544	1,666	1,937	1,886	2,414	N.A.
Manufactured consumer goods	314	683	668	653	787	862	N.A.
Other	389	976	979	926	1,111	1,380	N.A.
East Germany	4,923	11,947	13,514	15,049	16,452	18,384	N.A.
Machinery and equipment	1,684	3,680	4,257	5,011	5,594	6,085	N.A.
Fuels, minerals, and metals	1,359	3,644	3,906	4,364	4,902	6,029	N.A.
Agricultural and forestry products	1,383	2,700	3,365	3,311	3,422	3,566	N.A.
Manufactured consumer goods	222	669	649	692	839	974	N.A.
Other	275	1,254	1,337	1,671	1,695	1,730	N.A.
Hungary	2,505	6,795	7,252	8,558	10,584	11,919	12,858
Machinery and equipment	774	2,188	2,335	2,790	3,662	4,041	N.A.
Fuels, minerals, and metals	591	1,855	1,769	2,054	2,582	3,194	N.A.
Agricultural and forestry products	611	1,291	1,523	1,814	1,990	2,098	N.A.
Manufactured consumer goods	193	482	500	616	794	858	N.A.
Other	336	979	1,125	1,284	1,556	1,728	N.A.
Poland	3,608	12,752	13,823	14,767	16,513	18,167	19,123
Machinery and equipment	1,306	4,769	5,377	5,582	6,242	6,358	N.A.
Fuels, minerals, and metals	960	3,826	3,829	4,076	4,558	5,377	N.A.
Agricultural and forestry products	772	2,270	2,557	2,747	3,170	3,615	N.A.
Manufactured consumer goods	231	676	788	960	1,040	1,163	N.A.
Other	339	1,211	1,272	1,402	1,503	1,654	N.A.
Romania	1,960	5,418	6,062	7,060	8,926	11,168	N.A.
Machinery and equipment	790	1,880	1,928	2,591	3,374	3,585	N.A.
Fuels, minerals, and metals	596	2,070	2,485	2,640	3,320	4,836	N.A.
Agricultural and forestry products	306	845	958	1,024	1,196	1,497	N.A.
Manufactured consumer goods	108	206	206	275	339	380	N.A.
Other	160	417	485	530	697	870	N.A.

^a The values of East European imports by commodity group were calculated by applying East European data on percentage breakdowns to total imports expressed in US dollars (see Table 66, footnote a).

Cuban Foreign Trade ^a

	Total Trade	Communist Countries			Non-Communist Countries	
		Total	USSR	Eastern Europe	Other ^b	
1965 Exports	691	529	323	103	103	162
Imports	866	649	428	98	123	217
1970 Exports	1,050	778	529	150	99	272
Imports	1,311	905	691	125	89	406
1975 Exports	3,572	2,401	2,011	279	111	1,171
Imports	3,767	1,935	1,513	304	118	1,832
1976 Exports	3,284	2,484	1,998	353	133	800
Imports	3,879	2,267	1,818	356	93	1,612
1977 Exports	3,669	3,056	2,602	341	113	613
Imports	4,362	2,907	2,341	471	95	1,455
1978 Exports	4,545	3,855	3,320	397	138	690
Imports	4,732	3,769	3,083	537	149	963
1979 Exports	4,820	4,045	3,337	N.A.	N.A.	775
Imports	5,088	4,220	3,483	N.A.	N.A.	868
1980 ^c Exports	5,608	3,799	3,055	N.A.	N.A.	1,809
Imports	5,987	4,714	3,490	N.A.	N.A.	1,273

^a Exports are on an f.o.b. basis; imports are on a c.i.f. basis. Cuban trade with non-Communist countries is based on hard currency world prices while its Communist country trade uses soft currency negotiated prices which are frequently subsidized in Cuba's favor and do not reflect real market values. The result is a more favorable global trade balance than if Cuba conducted all of its trade at world market prices.

^b Including data for China, Mongolia, North Korea, and Vietnam.

^c Preliminary.

Table 70

Million US \$

Cuban Exports ^a

	1965	1970	1971	1972	1973	1974	1975	1976	1977
Total	691	1,050	861	840	1,372	2,707	3,572	3,284	3,669
Sugar	591	806	657	622	1,032	2,336	3,209	2,855	3,067
Raw and refined	579	785	634	602	1,011	2,299	3,183	2,832	3,038
Molasses	12	21	23	20	21	37	26	23	29
Minerals	50	175	136	125	190	171	169	201	239
Nickel	40	173	136	124	182	167	164	193	234
Other	10	2	Negl.	1	8	4	5	8	5
Tobacco	33	33	32	40	62	73	63	74	84
Raw	19	15	14	15	23	25	22	26	34
Manufactured	14	18	18	25	39	48	41	48	50
Foodstuffs	5	29	31	45	86	120	131	153	278
Fish and shellfish	3	19	22	29	40	59	63	79	82
Citrus	1	3	3	5	10	15	14	16	21
Other	12	7	5	8	2	7	Negl.	1	1

^a Exports are f.o.b.**Table 71**

Million US \$

Cuban Imports ^a

	1965	1970	1971	1972	1973	1974	1975	1976	1977
Total	866	1,311	1,387	1,297	1,741	2,693	3,767	3,879	4,362
Foodstuffs	205	263	316	324	411	684	718	723	736
Raw material and intermediate goods	64	138	127	118	157	233	357	255	288
Fuel	85	114	127	163	194	241	377	423	605
Petroleum	81	110	123	157	189	237	372	418	599
Machinery and transportation equipment	133	368	390	245	365	552	911	1,220	1,433
Manufactures	153	131	138	149	215	341	465	399	438
Other	226	297	289	298	399	642	939	859	862

^a Imports are c.i.f.

Table 72

Billion US \$

Net Financial Flows to Developing Countries ^a

Net Disbursements	1973	1974	1975	1976	1977	1978	1979
Total	30.6	33.9	53.4	57.1	63.4	79.6	81.0
Official flows	14.4	20.0	26.3	26.2	26.9	32.9	38.4
Bilateral	11.1	15.3	19.9	19.6	19.0	23.5	28.1
Industrial Countries	8.4	10.5	11.9	12.1	12.8	18.1	21.4
OPEC	1.4	3.9	6.5	6.1	4.8	4.0	4.8
Communist Countries	1.3	0.9	1.5	1.4	1.4	1.4	1.9
Multilateral	3.3	4.7	6.4	6.6	7.9	9.4	10.3
Private flows	16.2	13.9	27.1	30.9	36.5	46.7	42.6

^a Net disbursements. Official flows consist of Official Development Assistance (ODA) and Other Official Flows (OOF). Private flows consist of direct investment, private export credits, and portfolio investment. Data differs from those presented in earlier editions of the *Handbook*.

Table 73

Million US \$

Gross Official Bilateral Capital Flows to the Less Developed Countries ^a

	1954-79	Annual Average 1954-70	1971	1972	1973	1974	1975	1976	1977	1978	1979
Total	255,060	5,396	10,087	10,551	11,558	16,142	20,164	19,686	22,046	25,672	27,421
Development Assistance Committee ^b	215,930	5,083	9,292	9,691	10,593	12,132	14,304	14,296	15,316	20,547	23,351
United States	94,413	2,953	4,000	3,586	3,685	4,631	5,063	4,989	5,072	6,168	7,012
France	33,835	795	1,118	1,438	1,623	1,806	2,462	2,436	2,540	3,242	3,658
West Germany	21,522	338	897	995	1,363	1,422	1,720	1,586	1,733	2,521	3,541
United Kingdom	13,150	352	605	679	581	688	694	721	683	1,065	1,453
Japan	17,830	220	1,283	1,282	1,389	1,206	1,219	1,038	1,457	2,538	2,682
Other Developed Countries ^c	35,180	425	1,389	1,711	1,952	2,379	3,146	3,526	3,831	5,013	5,005
OPEC ^d	24,440	N.A.	N.A.	N.A.	N.A.	2,820	4,920	4,210	5,450	3,990	3,050
Communist Countries	14,690	315	800	860	965	1,190	940	1,180	1,280	1,135	1,020
USSR	8,230	215	420	430	500	705	500	465	545	480	575
Eastern Europe	3,635	60	190	170	225	230	255	380	475	390	265
China	2,825	40	190	260	240	255	185	335	260	265	180

^a Total gross official capital flows include official development assistance, which is concessional, and other official flows, which are less concessional or are primarily trade facilitating in character.

^b Members of the Organization for Economic Cooperation and Development.

^c Including Australia, Austria, Belgium, Canada, Denmark, Finland, Italy, Norway, the

Netherlands, Sweden, and Switzerland; also including Portugal for the period 1954-72. New Zealand became a DAC member in 1974. Disbursements by all donors to Yugoslavia are excluded.

^d Official development assistance—data for other official flows are not available for OPEC.

Table 74

Million US \$

Gross Official Bilateral Capital Flows ^a from Development Assistance Committee Members to the Less Developed Countries, 1954-79

	Total	United States	Other ^b
Total	215,930	94,413	121,517
Africa	51,995	8,169	43,826
Algeria	6,848	763	6,085
Guinea	350	163	187
Other	44,797	7,243	37,554
East Asia	39,944	23,974	15,970
Indonesia	8,681	2,978	5,703
South Korea	9,132	6,731	2,401
Other	22,131	14,265	7,866
Latin America	36,119	18,602	17,517
Brazil	6,967	4,529	2,438
Chile	3,137	2,256	881
Other	26,015	11,817	14,198
Middle East and South Asia	62,879	33,971	28,908
Afghanistan	832	461	371
Egypt	5,650	3,509	2,141
India	19,698	9,963	9,735
Iran	2,614	1,177	1,437
Iraq	419	53	366
North Yemen	273	92	181
Pakistan	9,256	5,319	3,937
Syria	341	210	131
Turkey	5,487	2,939	2,548
Other	18,309	10,248	8,061
Europe	5,409	3,562	1,847
Other	19,584	6,135	13,449

^a Total gross official capital flows include official development assistance, which is concessional, and other official flows, which are less concessional or are primarily trade facilitating in character. Data does not include flows to Yugoslavia.

^b Including Australia, Austria, Belgium, Canada, Denmark, Finland, France, Italy, Japan, Norway, the Netherlands, Sweden, Switzerland, the United Kingdom, and West Germany; also including Portugal for the period 1954-72. New Zealand became a DAC member in 1974.

US Economic Loans and Grants Extended to the Less Developed Countries ^a

	1946-80 ^b	1975 ^c	1976 ^c	1977 ^c	1978 ^c	1979 ^c	1980 ^c
Total	N.A.	4,908	5,790	5,590	6,626	7,106	7,572
Africa	8,221	335	388	417	603	601	799
Ethiopia	388	24	14	6	10	16	15
Ghana	390	8	23	13	12	24	28
Liberia	309	16	7	21	7	18	23
Libya	212	0	0	0	0	0	0
Morocco	1,006	24	49	27	36	27	27
Nigeria	406	9	1	0	0	0	0
Tunisia	895	13	13	24	39	32	29
Zaire	628	5	37	46	32	37	26
Other	3,987	236	244	280	467	447	651
East Asia	27,085	736	437	341	375	352	407
Indonesia	2,752	90	161	134	197	191	196
Kampuchea	889	149	0	0	0	0	0
Laos	903	26	0	0	1	2	0
Philippines	2,102	68	86	87	84	72	83
South Korea	5,983	37	138	77	59	41	31
China (Taiwan)	2,207	0	0	0	0	0	0
Thailand	742	7	17	18	11	26	30
Other	11,507	359	35	25	23	20	67
Latin America	12,327	776	520	348	385	449	499
Argentina	199	Negl.	Negl.	Negl.	0	Negl.	0
Bolivia	807	26	32	46	53	51	30
Brazil	2,426	15	6	4	2	2	2
Chile	1,172	96	83	33	7	14	10
Colombia	1,362	28	42	9	7	9	23
Dominican Republic	646	12	30	14	6	48	56
Ecuador	320	8	5	4	6	6	12
Guatemala	451	14	48	21	11	25	13
Mexico	327	Negl.	1	16	20	13	7
Panama	425	21	31	16	23	21	2
Peru	661	16	24	23	55	71	53
Venezuela	201	2	1	Negl.	0	Negl.	0

Other	3,330	538	217	162	195	189	291
Middle East and South Asia	38,669	1,786	2,932	2,396	2,577	2,795	2,802
Afghanistan	537	21	13	21	12	11	0
Bangladesh	1,503	304	219	145	194	208	157
Egypt	6,373	370	1,017	908	943	1,088	1,166
Greece	1,910	0	65	0	0	0	0
India	10,122	249	204	126	196	228	222
Iran	766	2	1	0	0	Negl.	0
Israel	5,586	353	793	742	792	790	786
Jordan	1,423	99	148	84	103	101	73
Pakistan ^d	4,971	181	268	108	78	50	59
Turkey	2,984	4	0	Negl.	1	70	198
Other	2,494	203	204	262	258	249	141
Europe and Oceania	N.A.	95	195	263	360	52	95
Spain	1,055	3	0	10	7	7	7
Other	N.A.	92	195	253	353	45	88
Interregional	25,894	1,180	1,318	1,825	2,326	2,857	2,970

^a Data are for fiscal years and are for official development assistance, which is concessional. Data for 1976 include the transitional quarter—July, August, and September.

^b Data are reported on a net basis, excluding total obligations.

^c Data reported are on a gross basis.

^d Including Bangladesh prior to 1972.

Thousand Barrels Per Day of Oil Equivalent

Primary Energy Production ^a

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980
OECD											
United States	21,143	24,918	30,819	31,701	30,508	30,154	30,134	30,340	30,884	32,161	32,614
Canada	1,750	2,539	3,709	4,942	4,893	4,678	4,567	4,774	4,818	5,166	4,748
Japan	1,017	1,106	1,028	774	861	874	923	851	992	1,076	1,188
Norway	158	255	298	403	427	590	721	673	1,056	1,240	1,483
European Community	6,920	7,240	7,170	7,700	7,780	8,200	8,500	9,270	9,360	9,990	10,100
Belgium ^b	31	274	161	129	120	146	159	160	155	144	153
France	1,082	1,115	1,026	860	874	899	819	975	977	970	1,073
Italy	395	423	490	502	504	515	522	528	551	546	522
Netherlands	216	233	648	1,349	1,383	1,702	1,818	1,814	1,667	1,751	1,661
United Kingdom	2,691	2,680	2,346	2,452	2,290	2,571	2,786	3,381	3,667	4,162	4,237
West Germany	2,503	2,521	2,495	2,400	2,402	2,357	2,386	2,402	2,323	2,395	2,396
Other Countries											
Iran	1,126	1,977	3,920	6,267	6,481	5,802	6,332	6,093	5,653	3,383	1,794
Kuwait	1,766	2,451	3,138	3,171	2,686	2,225	2,291	2,127	2,313	2,741	1,913
Saudi Arabia	1,405	2,313	3,929	7,763	8,717	7,312	8,877	9,554	8,715	10,174	10,550
Communist Countries											
USSR and Eastern Europe	13,200	17,800	22,300	25,100	26,400	27,800	29,200	30,500	31,600	32,600	33,300
USSR	9,280	13,210	17,030	19,550	20,710	21,920	23,150	24,290	25,400	26,260	27,100
Eastern Europe	3,870	4,570	5,280	5,550	5,660	5,840	6,030	6,180	6,250	6,310	6,240
Bulgaria	109	144	151	133	123	143	145	154	151	170	181
Czechoslovakia	761	865	906	898	908	907	931	948	966	974	975
East Germany	1,027	1,113	1,172	1,105	1,113	1,126	1,143	1,171	1,175	1,198	1,215
Hungary	207	254	277	276	276	270	286	292	304	287	282
Poland	1,278	1,531	1,895	2,133	2,197	2,294	2,384	2,479	2,527	2,600	2,489
Romania	487	666	879	1,009	1,039	1,096	1,145	1,133	1,127	1,077	1,096
Other											
China	N.A.	2,682	4,131	5,476	5,842	6,776	7,033	7,874	8,748	8,995	8,856
North Korea	N.A.	324	466	546	N.A.	622	618	622	644	663	N.A.
Yugoslavia	202	286	330	362	400	402	419	458	475	496	525

^a Data are for coal, crude oil, natural gas, and hydroelectric and nuclear electric power expressed in terms of oil equivalent, and exclude minor fuels such as peat, shale, and fuelwood.

^b Including data for Luxembourg.

Table 77

Thousand Barrels per Day of Oil Equivalent

Primary Energy Consumption ^a

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States	20,628	24,782	31,577	35,233	34,534	33,423	35,560	36,573	37,947	37,927
Canada	1,960	2,417	3,148	3,882	3,832	3,942	4,006	4,153	4,216	4,342
Japan	1,931	3,179	5,821	7,068	7,148	6,879	7,126	7,160	7,311	7,735
Norway	186	267	360	408	401	406	426	414	457	486
European Community										
Belgium ^b	588	751	971	1,093	1,064	972	1,031	1,021	1,067	1,104
France	1,840	2,364	3,080	3,781	3,669	3,454	3,660	3,698	3,916	4,107
Italy	1,058	1,617	2,479	2,796	2,793	2,666	2,841	2,873	2,858	2,972
Netherlands	487	735	1,156	1,468	1,410	1,392	1,522	1,477	1,527	1,572
United Kingdom	3,506	3,962	4,358	4,587	4,384	4,129	4,200	4,286	4,288	4,471
West Germany	2,960	3,762	4,798	5,390	5,266	4,935	5,338	5,318	5,449	5,734
Other Countries										
Iran	97	135	389	481	560	609	683	740	891	N.A.
Kuwait	49	93	110	68	74	79	92	105	114	N.A.
Saudi Arabia	20	35	103	75	95	124	148	156	179	N.A.
Communist Countries										
USSR and Eastern Europe										
USSR ^c	8,520	11,750	14,830	17,230	18,050	19,020	19,750	20,660	21,620	22,876
Eastern Europe										
Bulgaria	132	254	391	470	504	526	550	591	621	670
Czechoslovakia	798	986	1,136	1,243	1,275	1,298	1,361	1,452	1,462	1,482
East Germany	1,171	1,336	1,491	1,538	1,555	1,576	1,617	1,676	1,721	1,806
Hungary	269	360	431	475	489	509	533	548	591	599
Poland	1,053	1,295	1,653	1,863	1,926	2,078	2,185	2,293	2,371	2,470
Romania	376	565	844	1,031	1,044	1,125	1,219	1,244	1,313	1,309
Other										
Yugoslavia	227	331	448	542	597	598	639	677	719	789

^a Data are for coal, crude oil, natural gas, and hydroelectric and nuclear electric power expressed in terms of oil equivalent. Data exclude minor fuels such as peat,

shale, and fuelwood and include marine bunkers.

^b Including data for Luxembourg.^c Including peat, shale, and fuelwood.

Table 78

Thousand Barrels Per Day of Oil Equivalent

Primary Energy Production, by Type ^a

	1970				1979				1980			
	Coal	Crude Oil	Natural Gas	Hydro/ Nuclear	Coal	Crude Oil	Natural Gas	Hydro/ Nuclear	Coal	Crude Oil	Natural Gas	Hydro/ Nuclear
OECD												
United States	7,359	11,380	10,686	1,394	9,233	10,118	9,979	2,807	9,866	10,180	9,821	2,747
Canada	171	1,625	1,110	803	399	1,786	1,631	1,350	437	1,714	1,194	1,403
Japan	538	18	45	427	239	10	41	784	244	12	41	891
Norway	6	0	0	292	4	443	358	435	4	568	463	448
European Community												
Belgium ^b	154	0	1	6	83	0	0	61	86	0	0	67
France	523	68	118	317	262	40	134	534	256	46	132	639
Italy	9	30	227	224	5	36	236	256	7	39	214	262
Netherlands	59	43	544	2	0	32	1,701	18	0	31	1,609	21
United Kingdom	1,992	0	194	160	1,663	1,613	665	221	1,742	1,667	614	214
West Germany	1,999	152	224	120	1,682	100	307	306	1,690	97	283	326
Other Countries												
Iran	7	3,870	35	8	12	3,178	173	20	12	1,672	90	20
Kuwait	0	3,050	88	0	0	2,622	119	0	0	1,779	134	0
Saudi Arabia	0	3,890	39	0	0	9,840	334	0	0	10,205	N.A.	0
Communist Countries												
USSR and Eastern Europe												
USSR	6,060	7,040	3,270	650	6,760	11,710	6,740	1,050	6,700	12,000	7,300	1,100
Eastern Europe												
Bulgaria	125	7	8	12	111	5	2	52	119	5	2	55
Czechoslovakia	861	4	17	23	924	2	13	35	910	2	11	52
East Germany	1,150	1	10	12	1,075	1	53	69	1,085	1	53	76
Hungary	182	39	56	1	140	41	105	1	141	41	99	1
Poland	1,790	8	84	11	2,459	7	121	13	2,364	7	105	13
Romania	125	281	460	13	162	259	606	50	175	241	628	52
Other												
China	3,298	590	71	172	6,348	2,081	269	298	6,198	2,076	254	329
North Korea	362	0	0	104	543	0	0	120	N.A.	N.A.	N.A.	N.A.
Yugoslavia	164	56	18	93	228	83	32	153	244	86	31	164

^a Data are for coal, crude oil, natural gas, and hydroelectric and nuclear electric power expressed in terms of oil equivalent, and exclude minor fuels such as peat, shale, and fuelwood.

^b Including data for Luxembourg.

Table 79

Proved Reserves of Crude Oil, Natural Gas,
and Coal, Yearend 1980 ^a

	Crude Oil (Billion Barrels)	Natural Gas (Trillion Cubic Feet)	Coal ^b (Million Metric Tons)
OECD			
United States	26	191	178,600
Canada	6	87	9,400
Norway	6	43	N.A.
European Community			
United Kingdom	15	25	45,000
West Germany	Negl.	6	34,400
Other Countries			
Algeria	8	132	N.A.
Brazil	1	2	8,100
Ecuador	1	4	0
Egypt	3	3	Negl.
India	3	12	33,700
Indonesia	10	24	1,400
Iran	58	485	200
Iraq	30	27	0
Kuwait	65	31	0
Libya	23	24	0
Mexico	44	64	900
Other Countries (continued)			
Nigeria	17	41	100
Oman	2	2	0
Qatar	4	60	0
Saudi Arabia	165	110	0
South Africa	0	0	26,900
Syria	2	2	0
United Arab Emirates	30	21	0
Venezuela	18	42	1,000
Communist Countries			
USSR and Eastern Europe			
USSR	45-65	1,060 ^c	256,000 ^c
Eastern Europe			
Poland	Negl.	5	21,800
Romania	1	9	400
Other			
North Korea	0	0	8,000
Yugoslavia	Negl.	1	8,500

^a The portion of total resources which has been assessed as being exploitable under local economic conditions and available technology. Source for Non-Communist countries: *Oil and Gas Journal*.

^b Yearend 1977. Data are expressed in terms of coal equivalent (7,000 kilocalories per kilogram).

^c Including proved, probable, and some possible reserves.

Table 80

Crude Oil Refining Capacity
1 January 1981

		Thousand Barrels per Day
OECD	44,193.9	
United States	18,400.0	678.6
Australia	743.1	500.0
Canada	2,166.0	1,401.6
Japan	5,454.0	292.0
Spain	1,463.8	556.8
European Community	15,967.0	
Belgium	1,055.9	1,393.5
France	3,341.5	782.0
Italy	4,091.9	1,068.8
Netherlands	1,827.0	456.0
United Kingdom	2,629.5	728.0
West Germany	3,021.2	
OPEC	4,773.1	
Abu Dhabi	13.5	12,370.0
Algeria	122.4	10,000.0
Ecuador	87.1	2,370.0
Gabon	20.0	300.0
Indonesia	445.2	430.0
Iran	1,120.5	450.0
Iraq	168.5	230.0
Kuwait	645.0	380.0
Libya	142.0	580.0
Nigeria	160.0	
Qatar	12.8	
Saudi Arabia	487.3	1,600.0
Venezuela	1,348.8	125.0
Other Countries		90.0
Argentina		530.0
Bahamas		
Brazil		
Egypt		
India		
Mexico		
Netherlands Antilles		
Singapore		
Trinidad and Tobago		
Virgin Islands		
Communist Countries		
USSR and Eastern Europe		
USSR		
Eastern Europe		
Bulgaria		
Czechoslovakia		
East Germany		
Hungary		
Poland		
Romania		
Other		
China		
Cuba		
North Korea		
Yugoslavia		

Table 81

Thousand Barrels per Day

Crude Oil Production ^a

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980
OECD ^b	7,860	9,010	11,500	11,800	11,200	10,800	10,700	11,300	12,200	12,800	12,900
United States	7,055	7,804	9,648	9,208	8,774	8,375	8,131	8,245	8,707	8,533	8,595
Canada	526	793	1,305	1,800	1,684	1,439	1,295	1,320	1,313	1,496	1,424
European Community	221	309	264	212	200	197	429	955	1,270	1,750	1,810
Other Countries											
Algeria	183	544	976	1,065	980	945	1,025	1,100	1,161	1,154	1,012
Gabon	16	25	104	150	202	223	223	222	209	203	175
Indonesia	411	501	855	1,339	1,375	1,307	1,504	1,686	1,635	1,591	1,577
Iran	1,068	1,895	3,831	5,861	6,022	5,350	5,883	5,663	5,242	3,168	1,662
Iraq	1,004	1,311	1,563	2,018	1,971	2,262	2,415	2,348	2,562	3,477	2,514
Kuwait ^c	1,696	2,362	2,983	3,018	2,547	2,085	2,143	1,980	2,131	2,497	1,654
Libya	0	1,238	3,321	2,175	1,521	1,480	1,933	2,063	1,983	2,092	1,787
Mexico	271	328	420	465	571	705	831	981	1,209	1,461	1,937
Nigeria	17	263	1,090	2,054	2,255	1,783	2,067	2,085	1,897	2,302	2,055
Qatar	175	227	367	570	518	438	497	445	487	508	472
Saudi Arabia ^c	1,315	2,204	3,789	7,600	8,480	7,075	8,578	9,213	8,302	9,535	9,900
United Arab Emirates	0	282	691	1,533	1,680	1,663	1,936	1,998	1,830	1,831	1,709
Venezuela	2,846	3,473	3,708	3,366	2,976	2,346	2,294	2,238	2,166	2,356	2,167
Communist Countries											
USSR and Eastern Europe	3,210	5,140	7,300	8,710	9,300	9,920	10,500	11,000	11,500	11,700	12,000
USSR	2,943	4,835	6,976	8,370	8,950	9,570	10,110	10,650	11,140	11,400	11,700
Eastern Europe	266	304	327	342	348	349	352	350	331	302	286
Bulgaria	4	5	7	4	3	2	2	3	3	5	5
Czechoslovakia	3	4	4	3	3	3	3	2	2	2	2
East Germany	1	1	1	1	1	1	1	1	1	1	1
Hungary	24	36	39	40	40	40	43	44	44	41	41
Poland	4	7	8	8	11	11	9	7	7	7	7
Romania	230	251	268	286	290	292	294	293	274	246	230
Other											
Albania	15	16	30	34	35	37	38	38	N.A.	N.A.	N.A.
China ^d	102	228	602	1,138	1,364	1,542	1,736	1,874	2,082	2,122	2,114
Cuba	1	1	3	3	3	5	5	5	5	5	5
Yugoslavia	18	40	57	68	69	74	78	79	82	83	85

^a Unless otherwise indicated, data are for crude oil and exclude natural gas liquids, shale oil, natural gasoline, and synthetic crude oil.

^b Including shale oil.

^c Including about one-half of neutral zone production, which amounted to 473,000 barrels per day in 1980.

^d Including small quantities of synthetic crude oil.

Table 82

Crude Oil Consumption

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980
United States	9,797	11,513	14,697	16,855	16,175	15,860	16,985	17,895	18,330	17,985	16,410
Japan	590	1,750	4,000	5,390	5,250	4,965	5,160	5,400	5,420	5,500	5,000
Canada	837	1,115	1,484	1,755	1,690	1,765	1,770	1,765	1,800	1,825	1,790
Western Europe	4,007	7,661	12,402	14,690	13,790	13,075	13,905	13,635	14,045	14,390	13,410
Belgium, Luxembourg, Netherlands	420	835	1,290	1,470	1,275	1,195	1,330	1,280	1,315	1,390	1,370
France	579	1,117	1,949	2,485	2,360	2,215	2,395	2,255	2,360	2,395	2,280
Italy	475	1,042	1,760	2,080	2,075	1,905	1,995	1,910	1,965	2,035	1,945
Spain ^a	121	253	540	760	845	890	970	955	975	1,035	1,040
United Kingdom	975	1,473	2,030	2,270	2,145	1,850	1,850	1,865	1,905	1,895	1,615
West Germany	659	1,569	2,572	2,985	2,675	2,565	2,765	2,705	2,855	2,900	2,605
Other	778	1,372	2,261	2,640	2,410	2,430	2,600	2,670	2,675	2,735	2,550

^a Including the Canary Islands.

Table 83

Major Exporters of Oil ^a

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Non-Communist Countries ^b											
United Arab Emirates	777	1,055	1,203	1,522	1,690	1,661	1,933	1,993	1,824	1,815	1,629
Algeria	985	693	1,007	1,029	937	940	985	1,065	1,081	1,031	892
Indonesia	725	749	943	1,167	1,160	1,095	1,327	1,473	1,387	1,270	1,182
Iran	3,519	4,173	4,675	5,424	5,532	4,886	5,330	4,986	4,575	2,580	1,092
Iraq	1,499	1,622	1,437	1,933	1,870	2,096	2,280	2,203	2,418	3,309	2,299
Kuwait	2,831	3,009	3,136	2,847	2,396	1,944	2,128	1,938	2,088	2,507	1,531
Libya	3,313	2,747	2,215	2,210	1,518	1,478	1,900	2,034	1,954	2,051	1,697
Nigeria	1,055	1,495	1,759	1,993	2,183	1,719	2,025	2,044	1,831	2,216	1,850
Saudi Arabia	3,564	4,481	5,764	7,346	8,244	6,932	8,422	8,950	8,064	9,192	9,365
Venezuela	3,470	3,282	3,065	3,150	2,752	2,086	2,132	1,964	1,942	2,074	1,802
Communist Countries											
USSR ^c	1,920	2,110	2,140	2,380	2,340	2,600	2,970	3,130	3,300	3,280	3,260

^a Including refined products.^b Excluding bunkers.^c Gross basis.

Table 84

Thousand Barrels per Day

Major Importers of Oil

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
OECD											
United States	3,419	3,926	4,741	6,256	6,088	6,056	7,295	8,808	8,364	8,388	6,793
Canada	800	866	941	1,054	901	870	764	739	677	634	595
Japan	4,206	4,442	4,839	5,576	5,460	5,008	5,235	5,454	5,347	5,635	5,091
European Community											
France	2,146	2,333	2,557	2,875	2,742	2,278	2,598	2,514	2,494	2,762	2,519
Italy	2,345	2,426	2,485	2,669	2,516	2,121	2,268	2,302	2,363	2,435	1,883
United Kingdom	2,487	2,586	2,613	2,738	2,585	2,067	2,052	1,691	1,596	1,471	1,158
West Germany	2,676	2,764	2,880	3,046	2,796	2,509	2,809	2,768	2,848	2,972	2,692
Other Countries											
Brazil	380	456	515	751	728	731	837	837	945	984	932
India	264	304	313	343	340	320	316	356	376	414	459
Philippines	188	186	188	191	188	197	213	216	217	222	223
Thailand	105	129	151	172	142	167	174	186	218	225	233

Table 85

Imports of Crude Oil and Refined Products
by the OECD Countries, 1980

	OECD	US ^a	Japan	Canada	Western Europe								Australia	New Zealand
					Total	West Germany	France	UK	Italy	Nether-lands	Spain	Other		
Algeria	916	484	30	0	402	151	92	9	51	32	41	26	0	0
Bahrain	44	Negl	33	0	1	0	0	Negl	1	Negl	0	0	7	3
Egypt	262	40	3	0	219	6	5	59	129	6	8	6	0	0
Iraq	1,820	99	340	19	1,345	59	466	108	236	15	123	338	17	0
Kuwait	809	22	283	11	460	27	59	116	58	137	18	45	24	9
Libya	1,642	716	23	6	897	311	41	7	251	19	97	171	0	0
Qatar	358	25	133	0	196	4	49	7	28	57	27	24	3	1
Saudi Arabia	7,355	1,381	1,751	216	3,894	492	779	366	595	397	309	956	90	23
Syria	13	2	0	0	11	10	0	1	0	0	0	0	0	0
United Arab Emirates	1,492	286	617	7	576	126	159	57	49	38	65	82	6	0
— OAPEC	14,711	3,055	3,213	259	8,001	1,186	1,650	730	1,398	701	688	1,648	147	36
Ecuador	53	31	17	0	5	Negl	0	0	0	0	1	4	0	0
Gabon	114	34	0	0	80	18	28	1	8	3	20	2	0	0
Indonesia	1,091	352	702	0	9	Negl	4	0	5	0	0	0	23	5
Iran	794	24	334	1	423	115	53	19	23	23	63	127	8	4
Nigeria	1,773	894	7	3	869	219	221	9	69	211	22	118	0	0
Venezuela	1,271	687	39	181	364	33	36	27	103	13	70	82	0	0
OPEC ^b	19,488	5,035	4,276	444	9,520	1,555	1,987	726	1,476	945	856	1,975	171	42
Canada	467	445	Negl	0	22	1	1	0	1	8	1	10	0	0
Mexico	730	552	21	12	145	1	24	6	20	6	88	0	0	0
Other ^c	3,242	757	758	137	2,169 ^d	1,119	492	366	524	602	107	1,787	44	36
Total	24,246 ^e	6,831	5,091	593	12,087 ^d	2,692	2,509	1,158	2,151	1,567	1,060	3,778	222	81
Consumption	37,866	17,006 ^f	5,000	1,775	13,410	2,605	2,280	1,615	1,945	840	1,040	3,085	595	80

^a Products traced to source of crude.^b OAPEC members excluding Bahrain, Egypt, and Syria plus other countries shown.^c Including unknown.^d Excluding Intra-West European trade.^e Excluding Intra-OECD trade.^f Including bunkers, refinery fuel, losses, and refinery gains.

Table 86

Million Barrels per Day

Petroleum Products Production ^a

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980
OECD											
United States	7.25	8.54	11.27	12.88	12.11	13.50	14.50	15.74	15.73	15.63	14.50
Canada	0.72	0.90	1.23	1.63	1.73	1.64	1.73	1.83	1.80	1.94	1.88
Japan	0.51	1.36	3.31	4.86	4.13	4.15	4.61	4.71	4.68	4.79	4.41
Spain	0.12	0.27	0.62	0.85	0.84	0.86	1.01	0.96	0.98	0.99	0.99
Sweden	0.06	0.08	0.24	0.21	0.20	0.21	0.29	0.29	0.31	0.32	0.35
European Community	3.05	5.87	10.2	11.7	11.2	9.68	10.6	10.6	10.7	11.3	10.1
Belgium	0.13	0.30	0.56	0.71	0.58	0.56	0.53	0.71	0.65	0.67	0.66
France	0.59	1.14	1.94	2.52	2.40	2.12	2.42	2.36	2.33	2.52	2.25
Italy	0.54	1.22	2.14	2.28	2.25	1.87	2.02	2.02	2.12	2.16	1.80
Netherlands	0.35	0.54	1.07	1.30	1.14	1.02	1.21	1.13	1.09	1.14	1.07
United Kingdom	0.82	1.21	1.93	2.11	2.19	1.85	1.93	1.84	1.90	1.94	1.70
West Germany	0.52	1.21	2.09	2.26	2.10	1.81	2.01	2.11	2.10	2.36	2.14
Communist Countries ^b											
USSR and Eastern Europe	2.66	4.12	6.02	7.69	8.18	8.80	9.07	9.55	10.1	10.5	10.7
USSR	2.30	3.50	5.00	6.25	6.70	7.20	7.30	7.70	8.10	8.40	8.60
Eastern Europe	0.36	0.62	1.02	1.44	1.48	1.60	1.77	1.85	1.97	2.09	2.09
Bulgaria	Negl.	0.04	0.11	0.18	0.20	0.19	0.20	0.22	0.23	0.27	0.29
Czechoslovakia	0.04	0.11	0.18	0.26	0.27	0.29	0.32	0.34	0.35	0.36	0.36
East Germany	0.04	0.10	0.19	0.30	0.30	0.31	0.33	0.35	0.36	0.38	0.38
Hungary	0.05	0.07	0.11	0.15	0.16	0.19	0.20	0.20	0.23	0.26	0.24
Poland	0.02	0.07	0.14	0.21	0.20	0.26	0.29	0.31	0.32	0.32	0.31
Romania	0.21	0.23	0.29	0.34	0.35	0.36	0.43	0.43	0.48	0.50	0.51
Other											
Cuba	N.A.	0.07	0.09	0.10	0.11	0.11	0.11	0.12	0.12	0.12	0.12
Yugoslavia	0.03	0.06	0.13	0.18	0.20	0.20	0.22	0.25	0.27	0.30	0.29

^a Unless otherwise indicated, data are for the following products, where they are produced: gasoline, kerosene, distillate fuel oil, lubricating oil, residual and other petroleum products, natural gasoline, and liquefied petroleum gases. Data exclude some minor miscellaneous products such as white spirits and asphalt.

^b Data include products from indigenous and imported natural crude oil and from synthetic sources. Synthetic production is not included in production for the USSR.

Table 87

Natural Gas Production ^a

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980
OECD ^b	13,700	18,200	27,100	31,100	30,700	29,500	29,700	30,200	30,200	31,300	30,000
United States ^c	12,770	16,040	21,920	22,650	21,600	20,110	19,950	20,025	19,975	20,470	20,145
Australia ^d	Negl.	Negl.	53	145	160	175	200	230	255	285	310
Canada	525	1,440	2,275	3,120	3,045	3,090	3,095	3,230	3,130	3,345	2,450
Norway	0	0	0	0	0	Negl.	Negl.	90	510	735	950
European Community	356	613	2,680	5,010	5,700	5,950	6,250	6,350	6,060	6,260	5,890
France	100	178	243	260	270	260	250	270	280	275	270
Italy	228	276	465	540	540	515	555	455	490	485	440
Netherlands	12	57	1,117	2,640	3,120	3,385	3,615	3,610	3,310	3,490	3,300
United Kingdom	Negl.	4	398	1,020	1,230	1,275	1,315	1,435	1,350	1,365	1,260
West Germany	16	98	465	550	540	515	515	580	625	630	580
Other Countries											
Argentina	49	149	212	240	255	280	290	305	295	285	350
Iran	34	43	71	695	785	770	760	740	685	355	185
Kuwait	33	63	180	185	185	185	195	210	220	245	275
Mexico ^e	222	250	481	540	560	585	580	600	745	920	1,120
Venezuela	163	250	349	460	475	450	480	525	510	515	520
Communist Countries ^f											
USSR and Eastern Europe	2,040	5,230	8,240	10,000	10,900	12,000	13,300	14,200	15,200	16,300	N.A.
USSR ^c	1,600	4,508	6,990	8,346	9,201	10,215	11,334	12,219	13,141	14,380	15,355
Eastern Europe	435	719	1,250	1,660	1,710	1,800	2,000	1,990	2,060	1,940	N.A.
Bulgaria	0	3	17	8	6	4	1	Negl.	1	5	N.A.
Czechoslovakia	51	34	43	37	34	33	35	35	41	39	39
East Germany	1	5	44	248	273	257	305	300	300	300	300
Hungary	12	39	123	170	180	183	215	233	259	230	216
Poland	19	46	176	205	195	204	229	245	269	246	212
Romania	352	592	847	989	1,019	1,115	1,216	1,181	1,190	1,117	1,158
Other											
China	N.A.	39	136	226	260	325	360	441	485	512	504
Yugoslavia	2	12	35	47	51	55	61	67	68	66	64

^a Data include only gas from natural gas wells and associated gas from petroleum fields.

^b Data are for net production—that is, for gas actually collected and utilized as fuel or raw material. They exclude gas used for repressuring, as well as gas flared, vented, or wasted, whether or not it has been processed for the extraction of natural gasoline.

^c Data for the United States are in terms of net marketed production. Data for the USSR refer to gross production less losses and waste. US gross production (less losses and waste), which includes gas returned to reservoirs in order to maintain horizon pressure, would be as follows (in billion cubic feet):

1960 1965 1970 1973 1974 1975 1976 1977 1978 1979 1980

14,510 17,660 23,790 24,070 22,850 21,100 20,940 21,100 21,310 21,400 21,600

A much smaller share of total production in the USSR is believed to be used for repressuring.

^d Twelve months ending 30 June of the stated year.

^e Including gas used for repressuring and gas wasted.

^f Gross production.

Table 88

Million Metric Tons

Hard Coal Production ^a

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980
OECD	923	992	983	914	898	953	975	978	949	1,040	1,110
United States	391.53	475.28	550.39	530.13	539.34	576.18	598.51	606.25	577.08	670.90	716.43
Australia	21.90	30.06	45.21 ^b	55.48 ^b	57.97 ^b	60.70 ^b	67.82 ^b	72.00 ^b	72.70 ^b	74.80 ^b	84.25 ^b
Canada	8.02	8.64	11.60	16.82	17.78	21.71	20.80	23.04	25.42	28.01	30.53
Japan ^c	51.07	49.53	39.69	22.41	20.33	19.00	18.40	18.25	18.99	17.64	18.03
Spain	13.78	12.94	10.75	10.00	10.45	10.82	10.70	12.07	11.69	11.50	12.82
European Community	432	409	317	272	244	257	251	239	236	234	240
Belgium	22.47	19.79	11.36	8.84	8.11	7.89	7.66	7.07	6.59	6.13	6.32
France	55.96	51.35	37.36	26.35	24.01	23.64	23.30	22.99	21.14	18.61	18.13
United Kingdom ^d	196.71	190.50	147.11	132.02	110.45	128.68	123.79	122.15	123.58	122.81	128.64
West Germany ^e	143.26	135.46	116.34	102.99	100.89	96.76	95.90	86.53	85.14	86.32	87.14
Other Countries											
India	52.59	67.16	73.69	77.87	84.08	95.89	100.87	100.12	101.29	103.54	107.41
South Africa	38.17	48.46	54.61	62.35	66.06	69.44	76.45	85.57	90.36	103.46	105.02
South Korea	5.35	10.25	12.39	13.57	15.29	17.58	16.43	17.23	18.06	18.20	18.54
Communist Countries											
USSR and Eastern Europe	496	556	613	657	675	696	712	728	733	738	727
USSR	355.92	397.64	432.72	461.22	473.37	485.00	494.00	503.00	501.00	497.00	494.00
Eastern Europe	140	158	180	196	201	211	218	225	232	241	233
Bulgaria	0.57	0.55	0.40	0.35	0.31	0.33	0.30	0.29	0.27	0.27	0.27
Czechoslovakia	26.40	27.76	28.20	27.78	27.97	28.12	28.27	27.96	28.30	28.46	28.20
East Germany	2.72	2.21	1.05	0.75	0.59	0.54	0.46	0.35	0.09	0.05	Negl
Hungary	2.85	4.36	4.15	3.41	3.21	3.02	2.93	2.93	2.95	3.00	3.07
Poland	104.44	118.83	140.10	156.63	162.00	171.62	179.30	186.11	192.62	200.94	193.12
Romania	3.40	4.66	6.40	7.17	7.11	7.32	7.11	7.15	7.42	8.11	8.80
Other											
China ^f	280.00	232.20	327.40	398.10	409.00	478.00	483.00	550.00	618.00	635.00	620.00
North Korea	6.80	12.30	21.80	26.40	25.80	30.40	31.20	32.00	33.60	34.60	35.00
Yugoslavia	1.28	1.17	0.64	0.58	0.60	0.60	0.59	0.51	0.47	0.43	0.39

^a Unless otherwise indicated, data are for net production of anthracite and bituminous coal.^b Twelve months ending 30 June of the stated year.^c Including brown coal.^d Excluding data for Northern Ireland.^e Including low-quality coal at its hard-coal equivalent.^f Raw production. Including a negligible amount of brown coal.

Brown Coal and Lignite Production

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980
OECD	111	155	166	190	202	210	236	229	240	255	266
United States	2.49	4.56	7.21	12.88	14.06	17.71	22.83	26.24	30.89	37.74	42.03
Australia	15.21	20.99	24.18 ^a	24.68 ^a	27.30 ^a	28.18 ^a	30.94 ^a	29.27 ^a	32.87 ^a	32.54 ^a	32.89 ^a
Austria	5.97	5.45	3.67	3.63	3.63	3.40	3.22	3.13	3.07	2.74	2.88
Canada	1.97	1.87	3.46	3.65	3.48	3.55	4.68	5.48	5.06	5.02	5.98
Greece	2.49	5.09	8.08	13.57	14.40	18.41	22.57	23.57	21.67	23.39	23.62
Spain	1.76	2.77	2.83	3.00	2.88	3.38	4.15	5.81	8.27	10.03	15.81
Turkey	1.91	3.09	4.44	5.73	6.34	7.11	8.25	8.56	9.32	9.35	8.32
European Community	102	108	112	123	130	128	139	127	128	134	134
France	2.28	2.69	2.78	2.76	2.79	3.19	3.19	3.08	2.74	2.46	2.70
West Germany	96.22	101.91	107.77	118.66	126.04	123.38	134.54	122.95	123.59	130.58	129.83
Other Countries											
India	0.05	2.30	3.54	3.32	3.04	2.79	3.90	3.59	3.64	3.26	4.55
Communist Countries											
USSR and Eastern Europe ^b	469	550	587	588	589	602	602	615	622	626	632
USSR	134.21	147.44	144.74	153.47	157.18	160.00	160.00	160.00	163.00	161.00	161.00
Eastern Europe	335	403	442	434	432	442	442	455	459	465	471
Bulgaria	15.42	24.49	28.85	26.46	24.00	27.52	25.18	24.89	25.53	27.73	29.90
Czechoslovakia	57.89	72.33	81.30	81.25	82.16	86.27	89.47	93.24	94.88	96.21	95.73
East Germany	225.47	250.84	261.48	246.25	243.47	246.71	246.90	253.70	253.26	256.06	258.90
Hungary	23.68	27.08	23.68	23.37	22.55	21.87	22.32	22.53	22.72	22.66	23.14
Poland	9.33	22.63	32.77	39.22	39.83	39.87	39.30	40.76	41.01	38.08	36.87
Romania	3.36	5.63	14.13	17.68	19.79	19.77	18.73	19.63	21.85	24.66	26.40
Other											
North Korea ^c	3.80	5.50	5.70	6.60	N.A.	7.60	7.80	8.00	8.40	8.60	N.A.
Yugoslavia	21.43	28.79	27.78	31.87	32.98	34.94	36.26	38.57	39.22	41.68	46.61

^a Twelve months ending 30 June of the year stated.^b Net output.^c Including unknown amounts of hard coal.

Table 90

Billion Kilowatt-Hours

Electricity Production ^a

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980
OECD ^b	1,710	2,430	3,520	4,300	4,340	4,400	4,700	4,890	5,090	5,260	5,160
United States ^c	893.72	1,229.64	1,742.73	2,081.23	2,086.28	2,131.06	2,263.21	2,361.71	2,436.01	2,472.14	2,437.82
Of which: Hydro	149.12	196.98	250.70	275.33	303.95	303.15	286.92	223.97	283.83	281.55	276.02
Australia	23.20	36.91	53.89	64.80	69.74	73.93	76.60	82.52	88.52	93.70	97.93
Canada	115.10	146.32	208.34	268.64	285.48	278.74	300.16	323.79	342.69	359.63	374.29
Japan ^c	111.49	188.38	359.54	470.29	459.04	475.79	511.78	532.61	563.99	581.44	519.35
Norway	31.14	48.95	57.61	73.06	76.70	77.48	82.13	79.72	81.11	88.99	83.99
Spain	18.61	31.72	56.49	76.27	80.86	82.38	90.82	93.80	99.54	105.41	110.32
Sweden	34.72	49.11	60.64	78.08	75.13	80.57	86.42	90.02	92.90	94.28	93.58
European Community	423	618	856	1,020	1,030	1,030	1,110	1,130	1,190	1,250	1,240
Belgium	15.15	21.71	30.52	41.07	42.76	41.07	47.35	47.10	50.84	52.26	53.64
France	75.01	105.58	146.97	182.36	188.18	185.31	203.09	210.71	226.69	241.13	242.29
Italy	56.24	82.97	117.42	145.52	148.90	147.33	163.55	166.55	175.04	180.53	185.02
Netherlands	16.52	25.01	40.86	52.63	55.35	54.26	58.14	58.28	61.60	64.45	64.80
United Kingdom	136.97	196.50	249.11	281.87	273.13	271.99	276.88	283.09	287.69	299.86	285.05
West Germany	116.42	172.34	242.61	299.00	311.71	301.80	333.65	335.32	353.42	374.22	368.77
Communist Countries											
USSR and Eastern Europe	406	677	987	1,220	1,290	1,380	1,480	1,530	1,600	1,640	1,710
USSR	292.27	506.67	740.93	914.61	975.75	1,038.61	1,111.42	1,150.07	1,201.90	1,238.20	1,295.00
Of which: Hydro	50.91	81.43	124.38	122.34	132.03	125.99	135.74	147.01	169.70	172.02	177.50
Eastern Europe	114	170	246	301	319	340	364	381	402	404	419
Bulgaria	4.66	10.25	19.52	21.96	22.81	25.24	27.75	29.71	31.49	32.48	34.84
Czechoslovakia	24.46	34.19	45.16	53.47	56.03	59.28	62.75	66.50	69.10	68.09	72.68
East Germany	40.30	53.61	67.65	76.91	80.29	84.51	89.15	92.00	95.96	96.85	98.70
Hungary	7.62	11.18	14.54	17.64	18.98	20.46	22.05	23.40	25.54	24.51	23.88
Poland	29.26	43.77	64.53	84.27	91.60	97.17	104.10	109.36	115.56	117.47	121.86
Romania	7.65	17.22	35.09	46.78	49.06	53.72	58.27	59.86	64.26	64.93	67.50
Other											
Albania	0.19	0.34	0.96	1.55	1.65	1.66	N.A.	1.86	2.08	2.80	N.A.
China	N.A.	63.00	107.00	150.00	164.00	187.00	203.46	223.40	256.55	281.95	300.60
Cuba	2.90	3.56	4.89	5.70	6.02	6.58	7.20	7.69	8.46	9.48	N.A.
North Korea	9.14	13.40	16.50	19.60	22.10	22.00	21.80	20.00	22.00	25.00	24.00
Yugoslavia	8.93	15.52	26.02	35.06	39.46	40.04	43.57	48.58	51.25	54.97	59.44

^a Data are for total (gross) production at generating centers and therefore include transmission losses and station use (see footnote ^b).

^b Data are gross production or estimates of gross production based on reported net, adjusted by increasing by 7.5 percent the thermal electric production to include production that is consumed by the station itself. Hydroelectric production that is consumed by the station itself is a negligible part of the gross production. Therefore, no attempt has been made to adjust the net production for hydroelectric power.

^c Beginning in 1980, data are for public utilities only.

Table 91

Installed Electricity Generating Capacity ^a

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980
OECD											
United States	186.53	254.52	360.33	459.25	495.36	527.35	550.03	579.40	598.50	615.69	630.94
Canada	23.03	29.35	42.83	54.38	57.53	61.35	65.99	70.58	74.62	N.A.	N.A.
Japan ^b	23.64 ^c	38.06	59.48	85.30	95.50	104.21	112.28	116.87	122.35	131.22	137.94
Norway	6.61	9.92	12.91	15.44	16.39	16.93	17.16	17.56	18.05	18.71	N.A.
Spain	6.57	10.17	17.91	23.20	24.32	25.76	26.59	27.55	28.28	N.A.	N.A.
Sweden	8.96	12.04	15.31	19.46	20.77	23.14	24.01	24.73	25.69	25.77	N.A.
European Community											
France	21.17 ^d	26.97 ^d	36.22	43.09	44.62	46.29	48.41	52.45	54.57	56.43	N.A.
Italy	16.31 ^d	23.82 ^d	30.41	36.51	38.34	39.10	40.66	42.58	43.50	N.A.	N.A.
Netherlands	5.18	7.29	10.11	12.46	12.99	15.45	15.54	17.22	18.34	N.A.	N.A.
United Kingdom	36.60 ^d	49.29 ^d	62.06	72.65	74.11	73.92	72.81	72.67	72.79	74.34	N.A.
West Germany	28.38 ^d	40.60 ^d	47.54	58.50	66.17	70.11	77.05	83.58	80.76	82.52	N.A.
Communist Countries											
USSR and Eastern Europe											
USSR	66.72	115.03	166.15	195.56	205.44	217.48	228.31	237.81	245.44	255.28	268.00
Eastern Europe											
Bulgaria	0.92	2.16	4.12	5.11	6.17	7.06	7.21	7.25	7.90	7.99	8.20
Czechoslovakia	5.72	8.21	10.81	12.12	12.81	13.64	14.55	15.12	16.09	16.37	16.80
East Germany	7.84	10.31	12.57	15.04	15.91	16.93	17.47	17.88	18.87	19.44	19.90
Hungary	1.48	2.00	2.75	3.23	3.74	4.29	4.67	5.20	5.54	5.24	5.50
Poland	6.32	9.67	13.89	17.73	19.13	20.06	20.48	21.75	23.83	24.79	25.50
Romania	1.78	3.26	7.35	10.12	10.58	11.58	12.32	13.63	14.15	15.60	16.00
Other											
Cuba ^c	0.94	0.96	1.30	1.30	1.32	1.40	1.40	1.45	1.90	2.17	N.A.
North Korea	1.88	2.12	3.38	4.00	4.50	4.60	4.80	5.20	5.30	5.40	N.A.
Yugoslavia	2.40	3.73	6.97	8.65	8.88	9.43	9.95	11.10	12.08	12.70	13.00

^a All plants for both public and industrial use. Unless otherwise indicated, data are as of^d Gross capacity.^e Including 410,000-kW capacity in industrial plants not linked to the national grid system.^b Data are for the year beginning 1 April of the stated year.^c Capacity as of 31 March 1961.

Table 92

Thousand Megawatts

Installed Nuclear Electric Generating Capacity ^a

	1960	1970	1974	1975	1976	1977	1978	1979	1980
OECD	0.9	14.3	49.2	62.7	72.0	84.3	93.3	107	113
United States	0.4	6.0	29.4	37.4	40.8	47.6	50.1	51.3	52.2
Canada	0	0.2	2.5	2.5	2.5	4.0	4.8	5.5	5.5
Japan	0	0.8	3.7	5.0	7.1	7.6	11.0	14.5	14.5
Finland	0	0	0	0	0	0.4	0.4	1.1	1.1
Spain	0	0.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Sweden	0	Negl.	1.0	2.4	3.2	3.7	3.7	3.7	4.6
Switzerland	0	0.4	1.0	1.0	1.0	1.0	1.0	1.9	1.9
European Community	0.5	6.7	10.5	13.3	16.3	18.9	21.2	27.5	32.1
Belgium	0	Negl.	Negl.	1.7	1.7	1.7	1.7	1.7	1.7
France	0.1	1.7	2.9	2.9	2.9	2.9	4.7	8.3	12.9
Italy	0	0.6	0.6	0.6	0.6	0.6	1.4	1.4	1.4
Netherlands	0	0.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5
United Kingdom	0.4	3.4	4.3	4.3	5.7	7.0	7.0	7.0	7.0
West Germany	Negl.	0.9	2.2	3.3	4.9	6.2	5.9	8.6	8.6
Other Countries									
Argentina	0	0	0.3	0.3	0.3	0.3	0.3	0.3	0.3
India	0	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Pakistan	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
South Korea	0	0	0	0	0	0	0.6	0.6	0.6
China (Taiwan)	0	0	0	0	0	0	0.6	1.2	1.2
Communist Countries									
USSR and Eastern Europe	Negl.	1.0	4.8	6.8	8.3	9.3	11.2	12.9	15.9
USSR	Negl.	0.9	3.8	4.8	6.3	7.3	8.3	10.2	12.3
Eastern Europe	0	0.1	1.0	2.0	2.0	2.0	2.9	2.7	3.6
Bulgaria	0	0	0.4	0.9	0.9	0.9	0.9	0.9	0.9
Czechoslovakia	0	0	0.1	0.1	0.1	0.1	0.6	0.4	0.9
East Germany	0	0.1	0.5	1.0	1.0	1.0	1.4	1.4	1.8

^a Data are as of the end of the year and presented on a net basis except for Communist countries which are gross capacities.

Minerals and
Metals

Transportation

Agriculture

Manufacturing Goods
and Forestry

Chemicals and
Rubber

Iron Ore Production ^a

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD ^b									
United States ^c	90.21	88.84	91.20	80.13	79.99	55.75	82.78	86.50	69.30
Australia	4.40	6.80	51.20 ^d	97.65 ^d	93.26 ^d	95.92 ^d	83.49 ^d	86.40 ^d	81.30 ^d
Canada ^e	19.55	36.25	47.46	46.90	56.93	55.40	42.93	59.62	50.87
Sweden	21.69	29.48	31.51	30.90	29.86	24.84	21.49	26.62	24.00
European Community	112	93.3	80.9	60.4	54.8	44.9	40.5	38.4	35.6
France	66.91	59.52	56.80	49.65	45.18	36.63	33.46	31.63	29.00
Luxembourg	6.98	6.32	5.72	2.32	2.08	1.54	0.84	0.63	0.60
United Kingdom	17.36	15.66	12.02	4.49	4.58	3.74	4.24	4.28	4.20
West Germany	18.90	10.80	5.53	3.29	2.46	2.47	1.60	1.65	1.60
Other Countries ^f									
Brazil	9.35	20.75	40.20	89.90	94.09	82.00	84.92	95.95	96.00
India	10.70	23.80	31.37	41.41	43.87	42.60	38.84	39.53	43.00
Liberia	3.10	16.00	23.70	24.00	21.80	20.40	18.80	18.06	18.00
Venezuela	19.49	17.51	22.10	24.77	18.69	13.68	13.52	16.35	16.50
Communist Countries									
USSR and Eastern Europe	115	165	208	244	250	250	254	249	252
USSR	105.86	153.43	197.14	234.70	241.11	241.89	246.25	241.74	245.00
Eastern Europe	9.34	12.0	10.8	9.13	8.44	7.97	8.11	7.48	7.07
Bulgaria	0.42	1.80	2.41	2.34	2.32	2.27	2.45	2.10	1.90
Czechoslovakia	3.12	2.45	1.61	1.77	1.90	1.99	2.02	2.01	1.93
East Germany	1.64	1.63	0.42	0.06	0.06	0.06	0.07	0.06	0.06
Hungary	0.52	0.76	0.63	0.64	0.60	0.52	0.53	0.53	0.43
Poland	2.18	2.86	2.55	1.25	0.72	0.66	0.53	0.25	0.20
Romania	1.46	2.48	3.21	3.07	2.84	2.47	2.51	2.53	2.55
Other									
Albania	0.25	0.40	0.40	0.47	0.55	0.60	0.65	0.70	0.75
China	100.00	38.30	72.30	109.00	105.00	89.00	117.80	119.30	120.00
North Korea	2.50	4.96	6.50	N.A.	N.A.	6.00	7.00	7.00	N.A.
Yugoslavia	2.20	2.50	3.69	5.24	4.26	4.45	4.56	4.62	4.53

^a Unless otherwise indicated, data are for the gross amount of marketable iron ores in the state in which they leave the mines, including manganiferous ores but excluding pyrites.

^b The metal content of the ore in the OECD countries follows: United Kingdom and West Germany, 28-31 percent; Luxembourg, 25 percent; France, 32 percent; United States and Canada, 61-62 percent; and Australia and Sweden, 60-65 percent.

^c Excluding manganiferous iron ore containing 5 percent or more of manganese.

^d Twelve months ending 30 June of the stated year.

^e Shipments.

^f The metal content of the ore in the other countries ranges from 60 percent to 68 percent.

Table 94

Thousand Metric Tons

Manganese Ore Production ^a

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD									
United States ^b	73	27	4	0	0	0	0	0	0
Australia	62	102	751	1,560	2,154	1,384	1,248	1,666	1,750
Italy	49	48	50	0	4	9	10	9	9
Japan	324	303	270	158	142	126	104	88	78
Other Countries									
Brazil	999	1,400	1,880	2,160	1,696	1,516	1,917	1,900	2,000
Gabon	0	1,280	1,450	2,240	2,282	1,929	1,754	2,300	2,302
Ghana ^c	545	604	405	409	312	292	316	272	250
India	1,200	1,650	1,650	1,580	1,835	1,865	1,619	1,755	1,900
South Africa	1,190	1,570	2,680	5,770	5,452	5,048	4,317	5,183	4,743
Communist Countries									
USSR and Eastern Europe	6,350	8,040	7,230	8,340	N.A.	N.A.	9,240	10,400	10,200
USSR	5,872	7,576	6,841	8,459	8,636	8,595	9,057	10,244	10,000
Eastern Europe	477	461	390	278	N.A.	N.A.	182	179	187
Bulgaria	25	42	33	35	40	40	40	42	49
Hungary	123	213	169	131	116	120	114	95	90
Romania	175	126	102	112	N.A.	N.A.	28	42	48
Other									
Yugoslavia	13	8	15	17	19	25	27	25	30

^a The metal content of the ore of various countries is as follows: the United States, more than 35 percent; other non-Communist countries and Cuba, 30-53^b Shipments.^c Dry weight. percent; the USSR, about 35 percent; Yugoslavia, about 35 percent; Romania, 30 percent; Bulgaria, about 27 percent; and Hungary, 26 percent.

Table 95

Metric Tons

Tungsten Ore Production ^a

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD									
United States ^b	3,160	3,430	4,220	2,490	2,660	2,730	3,130	3,015	2,722
Australia	1,900	950	1,260	1,498	1,989	2,358	2,681	3,193	2,855
Austria	110	90	80	360	541	1,116	1,179	1,496	1,600
Canada ^b	0	1,340	1,340	1,170	1,720	1,812	2,289	2,581	3,688
France	340	0	80	620	633	653	608	590	600
Japan	470	340	850	770	810	770	750	770	N.A.
Portugal	1,390	780	1,080	1,420	1,588	1,267	1,092	1,737	1,750
Spain	440	20	410	350	329	341	451	450	400
Turkey	0	0	0	0	10	10	15	130	N.A.
Other Countries									
Bolivia	1,020	870	1,840	2,570	3,182	2,955	2,852	2,647	3,359
Brazil	810	180	1,160	1,130	962	1,212	1,055	1,000	1,100
Burma	470	160	220	490	276	278	471	692	753
Mexico	90	90	290	280	230	190	230	195	N.A.
Peru	230	380	800	580	591	526	582	564	550
Rwanda	230	130	180	350	430	450	390	390	N.A.
South Korea	2,730	2,130	2,070	2,400	2,587	2,634	2,681	2,713	2,569
Thailand	210	260	710	1,640	2,050	2,204	3,187	1,826	1,625
Communist Countries									
USSR	5,400	6,660	6,900	8,100	8,300	8,500	8,800	9,000	9,200
China	13,990	8,140	5,470	6,710	5,660	6,470	8,660	10,130	N.A.

^a Data are for the estimated tonnage of contained tungsten.^b Shipments.

Table 96

Thousand Metric Tons

Chromite Production ^a

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD									
Finland	0	0	121	331	143	145	161	152	150
Greece	31	51	26	35	34	41	40	55	62
Japan	68	42	33	24	22	18	9	12	13
Turkey	481	567	519	717	580	508	375	450	400
Other Countries									
Brazil	5	24	28	173	186	310	270	270	349
India	101	60	271	500	402	352	266	309	300
Iran	68	129	200	172	160	233	198	136	80
Madagascar	0	2	131	194	221	165	138	128	150
Philippines	735	555	566	520	431	539	537	561	644
South Africa	772	942	1,427	2,078	2,409	3,059	3,145	3,297	3,450
Zimbabwe	606	586	363	590	864	677	478	542	554
Communist Countries ^b									
USSR	1,200	2,500	3,000	3,500	3,500	3,400	3,300	3,200	3,400
Albania	289	312	466	779	833	880	1,010	1,015	1,020
Cuba	10	14	8	13	7	7	10	10	N.A.
Yugoslavia	101	80	41	2	2	2	2	2	2

^a Data are in gross weight.^b Production of chrome ore. In the Communist countries, the chromic oxide content is estimated as follows: USSR, 46 percent; Albania, 45 percent; Cuba, 35 percent; and Yugoslavia, 26 percent.

Thousand Metric Tons

Bauxite Production

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD	5,370	7,060	16,900	29,000	31,500	33,600	31,100	34,800	33,900
United States	2,030	1,680	2,120	1,800	1,989	2,013	1,669	1,821	1,617
Australia	70	1,190	9,260	21,000	24,084	26,086	24,293	27,583	27,000
Greece	884	1,270	2,290	3,010	2,551	2,882	2,664	2,915	2,950
European Community	2,380	2,910	3,220	2,600	2,350	2,100	2,010	2,160	1,980
France	2,070	2,660	2,990	2,560	2,330	2,059	1,990	2,134	1,950
Other Countries									
Guinea	1,378	1,870	2,490	8,400	10,848	10,841	10,456	13,700	14,000
Guyana	2,511	2,919	4,417	3,251	2,686	2,731	2,425	2,312	2,348
Jamaica	5,840	8,650	12,000	11,600	10,296	11,433	11,777	11,505	12,200
Suriname	3,460	4,360	6,020	4,930	4,613	4,805	5,188	5,010	4,696
Communist Countries									
USSR and Eastern Europe	4,380	6,790	8,970	11,200	11,500	11,800	12,100	12,400	12,500
USSR ^a	3,100	5,300	6,700	8,000	8,200	8,500	8,800	9,000	9,100
Eastern Europe	1,280	1,490	2,270	3,240	3,300	3,340	3,290	3,420	3,400
Hungary	1,190	1,477	2,022	2,890	2,918	2,949	2,899	2,976	2,950
Romania	88	12	250	350	380	390	395	440	450
Other									
China ^b	640	1,120	1,500	2,800	3,000	3,200	3,200	3,320	3,320
Yugoslavia	1,025	1,574	2,098	2,306	2,003	2,044	2,566	3,012	3,138

^a Including nonbauxite ore such as nepheline and alunite for the production of alumina.^b Data are for aluminous shales and clays used for the manufacture of aluminum and exclude shales exported and those used for refractories, abrasives, and cement.

Table 98

Million Metric Tons

Metallurgical Coke Production ^a

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD ^b									
United States	51.92	60.65	60.35	51.90	52.92	48.13	44.17	48.00	42.00
Australia	2.68	3.10	4.98	5.24	5.31	4.67	5.00	8.14	8.20
Canada ^c	3.51	3.96	5.14	5.28	5.29	4.91	4.97	5.78	5.20
Japan	8.55	15.78	37.74	44.80	43.45	43.00	40.55	43.12	44.00
European Community	93.2	91.4	90.5	78.2	73.2	65.5	63.5	64.5	N.A.
Belgium	7.52	7.33	7.12	5.73	6.22	5.57	5.75	6.27	6.20
France ^c	13.64	13.41	14.15	10.99	11.31	10.77	10.68	11.60	12.00
Italy	3.72	5.74	7.04	8.11	7.97	7.68	7.32	7.30	7.40
Netherlands ^c	4.52	4.28	2.00	2.68	2.81	2.50	2.40	2.53	2.50
United Kingdom	19.14	17.38	20.28	15.86	12.95	11.52	9.88	10.26	N.A.
West Germany ^d	44.68	43.29	39.91	34.82	31.95	27.50	27.46	26.50	26.00
Communist Countries									
USSR and Eastern Europe	68.1	81.0	88.4	98.5	99.8	103	104	104	N.A.
USSR	51.48	61.74	68.72	75.65	76.70	78.46	78.85	79.20	N.A.
Eastern Europe	16.6	19.3	19.7	22.8	23.1	24.7	25.3	24.3	N.A.
Bulgaria	0.02	0.68	0.77	1.24	1.27	1.30	1.27	1.22	1.21
Czechoslovakia	6.82	7.87	8.28	9.24	9.00	8.80	8.79	8.54	8.45
East Germany	0.74	0.94	0.53	0.56	0.69	0.65	0.63	0.63	N.A.
Hungary ^c	0.50	0.64	0.66	0.59	0.60	0.59	0.60	0.65	0.67
Poland	7.68	7.99	8.37	8.93	9.10	10.21	10.52	10.20	10.10
Romania	0.82	1.14	1.07	2.28	2.47	3.15	3.46	3.07	3.20
Other									
China	N.A.	10.10	16.20	24.20	20.50	23.10	32.37	33.55	34.05
Yugoslavia	1.08	1.25	1.31	1.35	1.79	1.77	2.07	2.49	2.63

^a Unless otherwise indicated, data are for oven and beehive coke and exclude

breeze coke.

^b Net production, excluding coke consumed by coking plants.^c Including breeze coke.^d Including electrode coke but excluding low-temperature coke.^e A large part of this coke is produced in gas plants and is used with high-quality coke in charging blast furnaces.

Table 99

Pig Iron Production

	1960 ^a	1965 ^a	1970	1975	1976	1977	1978	1979	1980
OECD									
United States	62.2	82.6	83.0	72.5	78.8	73.4	79.6	78.9	62.3
Australia	2.9	4.4	6.2	7.5	7.4	6.8	7.3	7.8	7.0
Canada	4.0	6.6	8.3	9.2	9.8	9.7	10.3	10.9	10.9
Japan	12.3	28.0	68.0	86.9	86.6	85.9	78.6	83.8	87.8
Spain	1.9	2.4	4.2	6.8	6.6	6.6	6.3	6.5	6.7
European Community	70.9	81.8	97.3	88.3	93.5	86.6	89.4	97.5	94.4
Belgium	6.5	8.3	10.8	9.1	9.9	8.9	10.3	10.8	10.0
France	14.4	15.8	18.7	17.5	18.7	17.9	18.1	19.0	18.6
Italy	2.8	5.6	8.3	11.4	11.6	11.4	11.3	11.3	11.5
United Kingdom	16.0	17.8	17.5	12.2	13.7	12.1	11.4	12.9	6.6
West Germany	25.8	27.0	33.4	29.9	31.6	28.8	29.9	34.9	33.8
Other Countries									
Brazil	1.8	2.4	4.2	7.1	8.4	9.7	10.3	11.9	12.9
India	4.3	7.2	7.1	8.3	9.7	9.8	9.4	8.7	8.5
South Africa	2.0	3.6	3.9	5.2	5.7	5.8	6.0	7.0	7.2
Communist Countries									
USSR and Eastern Europe	60.2	84.1	110	133	136	141	146	145	143
USSR	46.8	66.2	85.9	103.0	105.4	107.4	110.7	109.0	107.0
Eastern Europe	13.4	17.9	23.9	30.0	31.1	33.7	35.7	35.8	36.1
Bulgaria	0.2	0.7	1.3	1.6	1.6	1.6	1.5	1.5	1.6
Czechoslovakia	4.7	5.9	7.6	9.3	9.5	9.7	9.9	9.5	9.8
East Germany	2.0	2.3	2.0	2.5	2.5	2.6	2.6	2.4	2.5
Hungary	1.2	1.6	1.8	2.2	2.2	2.3	2.3	2.4	2.2
Poland	4.2	5.4	7.0	7.8	7.9	9.7	11.2	11.1	10.9
Romania	1.0	2.0	4.2	6.6	7.4	7.8	8.2	8.9	9.1
Other									
China	27.5	13.8	22.0	33.8	28.8	25.0	34.8	36.7	38.0
North Korea	0.9	1.3	1.8	3.4	3.4	3.4	3.5	3.9	N.A.
Yugoslavia	1.0	1.1	1.3	2.1	1.9	1.9	2.1	2.4	2.4

^a Including ferroalloys.

Table 100

Million Metric Tons

Crude Steel Production ^a

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD									
United States ^b	90.1	119.3	119.3	105.8	116.1	113.7	124.3	123.7	101.5
Australia ^c	3.7	5.4	6.8	7.8	7.8	7.3	7.6	8.1	7.6
Canada	5.3	9.2	11.2	13.0	13.3	13.6	14.9	15.9	15.7
Japan	22.1	41.2	93.3	102.3	107.4	102.4	102.1	111.7	111.4
Spain	1.9	3.5	7.4	11.2	11.0	11.1	11.6	12.3	11.4
Sweden	3.2	4.7	5.5	5.6	5.1	4.0	4.3	4.7	4.7
European Community	97.6	114	138	126	134	126	133	140	128
Belgium	7.2	9.2	12.6	11.6	12.1	11.3	12.6	13.4	12.3
France	17.1	19.3	23.8	21.5	23.2	22.1	22.8	23.4	23.2
Italy	8.3	12.7	17.3	21.8	23.4	23.3	24.3	24.2	26.5
United Kingdom	24.7	27.5	28.3	20.2	22.3	20.4	20.3	21.5	11.3
West Germany	34.1	36.8	45.0	40.4	42.4	40.0	41.3	46.0	43.8
Other Countries									
Brazil ^d	2.3	3.0	5.4	8.3	9.2	11.2	12.1	13.8	15.3
India	3.3	6.4	6.1	7.1 ^e	9.3	9.9	10.0	9.5	10.0
Communist Countries									
USSR and Eastern Europe	86.4	120	156	193	199	204	211	209	210
USSR	65.3	91.0	115.9	141.3	144.7	146.7	151.5	149.0	148.0
Eastern Europe	21.2	28.5	39.8	51.3	53.9	57.5	59.8	60.3	61.6
Bulgaria	0.2	0.6	1.8	2.3	2.5	2.6	2.5	2.5	2.6
Czechoslovakia	6.8	8.6	11.5	14.3	14.7	15.1	15.3	14.8	15.2
East Germany	3.8	4.3	5.0	6.5	6.7	6.8	7.0	7.0	7.3
Hungary	1.9	2.5	3.1	3.7	3.6	3.7	3.9	3.9	3.8
Poland	6.7	9.1	11.8	15.0	15.6	17.8	19.3	19.2	19.5
Romania	1.8	3.4	6.5	9.6	10.7	11.5	11.8	12.9	13.2
Other									
China	18.7	12.2	17.8	24.0	20.5	23.7	31.8	34.5	37.1
Cuba	N.A.	Negl.	0.1	0.3	0.2	0.3	0.3	0.3	N.A.
North Korea	0.6	1.2	2.2	2.6	2.7	2.7	3.4	4.0	4.0
Yugoslavia	1.4	1.8	2.2	2.9	2.8	3.2	3.5	3.5	3.6

^a Data are for ingots and steel for castings.^b Excluding steel for castings made in foundries operated by companies not producing ingots.^c Twelve months ending 30 June of the stated year.^d Excluding alloy steel.^e Ingots only.

Table 101

Million Metric Tons

Rolled Steel Production

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD									
United States ^a	69.35	90.09	82.37	72.54	81.14	82.69	88.85	90.96	76.07
Canada ^a	4.13	6.72	8.24	7.11	7.23	7.63	8.71	9.11	N.A.
Japan	17.20	33.38	76.03	86.28	93.21	90.67	91.39	101.61	N.A.
Spain ^a	1.27	3.16	5.46	8.94	9.42	9.34	9.60	9.75	N.A.
European Community	76.7	89.6	111	98.6	106	104	110	116	N.A.
Belgium	5.88	7.72	10.26	9.10	9.56	9.36	10.49	11.55	N.A.
France	13.70	15.72	18.73	17.56	19.46	19.33	20.61	20.80	N.A.
Italy	7.78	10.62	14.76	15.41	16.97	17.41	18.00	18.55	N.A.
United Kingdom	18.41	20.76	22.18	15.57	17.10	16.51	16.35	16.69	N.A.
West Germany	25.84	28.48	35.97	32.98	34.22	33.05	35.14	38.49	N.A.
Communist Countries									
USSR and Eastern Europe	57.8	81.3	109	137	142	145	151	150	N.A.
USSR	43.68	61.65	80.65	98.69	101.44	102.14	105.43	103.24	103.00
Eastern Europe	14.1	19.7	28.0	38.3	40.4	42.8	45.7	46.5	N.A.
Bulgaria	0.19	0.43	1.42	2.50	2.76	2.95	3.05	3.13	3.22
Czechoslovakia	4.48	6.09	7.94	10.03	10.39	10.59	10.79	10.78	10.76
East Germany	2.61	2.99	3.97	5.22	5.61	5.87	6.11	6.30	N.A.
Hungary	1.19	1.70	2.04	2.68	2.86	3.08	3.19	3.24	3.05
Poland	4.42	6.13	8.14	11.08	11.50	11.95	13.56	13.57	13.55
Romania	1.25	2.35	4.50	6.81	7.30	8.39	8.96	9.48	9.60
Other									
China	11.30	9.10	13.40	16.80	14.70	16.00	22.08	24.97	27.16
Yugoslavia	0.97	1.19	1.77	2.36	2.44	3.33	4.14	4.14	4.24

^a Steel mill products.

Table 102

Thousand Metric Tons

Refined Nickel Production ^a

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD									
United States	11.4	12.3	14.1	21.2	30.8	34.4	33.8	37.5	40.8
Australia	0	0	1.0	34.0	39.9	34.1	37.3	39.3	40.3
Canada	127.5	160.4	189.3	157.8	168.3	152.0	89.2	88.8	145.8
Greece	0	0	8.6	14.8	16.4	9.6	15.1	18.9	25.0
Japan	18.7	26.5	89.9	78.0	94.8	93.9	79.2	101.0	104.0
Norway	30.4	31.8	38.5	37.1	32.7	38.2	23.7	30.6	31.0
European Community	47.3	49.0	49.0	48.2	45.5	33.6	30.2	23.2	34.0
France ^b	10.0	8.2	11.0	10.9	12.3	10.3	7.8	3.3	10.0
United Kingdom	34.3	40.5	36.7	37.3	33.1	23.2	21.4	18.9	23.0
Other Countries									
Dominican Republic	0	0	0	30.0	24.4	24.9	14.3	25.1	14.0
New Caledonia	11.4	15.6	27.9	52.8	38.2	28.3	19.9	30.4	32.6
Communist Countries ^c									
USSR	72.0	100.0	137.0	195.0	215.0	220.0	230.0	235.0	235.0
Cuba ^d	12.8	28.2	36.6	37.3	37.1	36.7	34.8	32.3	N.A.

^a Unless otherwise indicated, data are for refined metal and the nickel content of ferronickel and nickel oxide.

^b Excluding data for New Caledonia.

^c Czechoslovakia and East Germany each produce a small amount of refined nickel.

^d Nickel content of oxides and sulfides.

Table 103

Thousand Metric Tons

Refined Copper Production ^a

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD									
United States	1,642	1,957	2,065	1,622	1,737	1,707	1,869	2,014	1,755
Australia	84	95	146	192	188	183	174	173	180
Canada	378	394	493	529	510	509	446	397	509
Japan	248	366	705	819	864	934	959	984	1,014
Spain	42	59	83	130	140	159	147	140	140
European Community	796	904	996	958	1,080	1,090	977	935	972
Belgium	212	280	338	332	425	465	389	369	374
United Kingdom	219	228	205	152	137	122	126	122	163
West Germany	309	342	406	422	447	440	403	383	374
Other Countries									
Chile	226	289	465	534	632	676	749	780	800
Peru	30	40	36	71	136	188	186	231	240
Zaire	145	153	190	226	66	99	103	126	130
Zambia	403	522	581	629	694	648	628	520	615
Communist Countries									
USSR and Eastern Europe	576	840	1,220	1,750	1,800	1,890	1,980	2,030	N.A.
USSR	475	700	1,015	1,320	1,350	1,400	1,460	1,500	1,520
Eastern Europe	101	140	204	428	449	489	515	534	N.A.
Bulgaria	14	24	38	50	53	53	55	60	63
Czechoslovakia	10	12	17	23	22	23	24	31	26
East Germany	40	40	40	50	50	50	50	50	N.A.
Hungary	8	12	12	13	14	15	15	16	16
Poland	22	37	72	249	270	307	332	336	357
Romania	7	15	25	43	40	41	39	41	40
Other									
Albania	1	4	6	7	8	8	9	10	12
China	90	200	290	300	300	300	300	320	320
Cuba ^b	N.A.	6	Negl	3	3	3	3	3	N.A.
Yugoslavia	35	56	89	138	136	117	140	138	131

^a Data are for primary and secondary refined copper produced from domestic and imported ores and scrap.

^b Copper concentrate.

Table 104

Thousand Metric Tons

Primary Aluminum Production

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD									
United States	1,830	2,500	3,607	3,520	3,856	4,118	4,358	4,557	4,654
Australia	12	87	206	214	232	248	263	270	303
Canada	691	753	972	887	633	973	1,048	860	1,065
Greece	N.A.	N.A.	91	136	134	130	144	141	141
Japan	133	294	733	1,013	919	1,188	1,057	1,010	1,091
Norway ^a	171	276	522	595	618	628	640	673	660
Spain	29	52	120	210	211	211	212	260	380
European Community	520	735	952	1,820	1,880	1,990	2,010	2,030	2,040
France	238	340	381	383	385	399	391	395	432
Italy	84	124	147	190	206	260	271	269	270
Netherlands	0	0	75	258	256	241	261	259	264
United Kingdom ^a	29	36	40	308	335	349	346	359	343
West Germany	169	234	309	678	697	742	740	742	730
Other Countries									
Ghana	0	0	113	143	151	153	111	168	170
India	18	62	161	167	210	184	205	212	160
Communist Countries									
USSR and Eastern Europe	751	1,150	1,850	2,610	2,700	2,750	2,810	2,890	N.A.
USSR	620	970	1,490	2,130	2,220	2,270	2,330	2,410	2,530
Eastern Europe	131	176	359	480	476	481	481	483	N.A.
Czechoslovakia	20	26	31	43	36	37	37	37	38
East Germany	35	45	56	60	60	60	60	60	N.A.
Hungary	50	58	66	70	70	71	71	72	73
Poland	26	47	99	103	103	104	100	97	95
Romania ^b	0	0	107	204	207	209	213	217	241
Other									
China	80	140	188	357	375	400	400	415	415
Yugoslavia	25	39	48	168	198	197	196	190	185

^a Including the pure content of virgin alloys.^b Including aluminum alloys.

Table 105

Thousand Metric Tons

Smelter Production of Lead ^a

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD									
United States ^b	347	379	605	577	592	549	565	576	550
Australia ^c	247	227	351	311	343	337	356	385	361
Canada	145	169	186	172	176	187	194	184	151
Japan	69	103	178	152	158	170	186	180	185
Spain	71	54	76	73	73	85	83	87	88
Sweden	45	40	41	38	49	52	46	47	47
European Community	365	397	437	384	410	426	414	391	398
Belgium ^d	93	111	89	106	106	104	104	80	90
France	74	98	120	102	118	127	126	129	130
Italy	42	45	54	33	46	34	31	27	28
United Kingdom ^e	16	23	44	26	17	35	30	32	30
West Germany	140	104	113	92	101	105	105	103	100
Other Countries									
Mexico	186	154	150	173	190	154	166	173	168
Peru	74	87	72	71	74	79	74	86	87
Communist Countries									
USSR and Eastern Europe	404	549	676	783	814	841	849	849	N.A.
USSR	300	385	470	540	560	575	580	585	600
Eastern Europe	104	164	206	243	254	266	269	264	N.A.
Bulgaria	40	93	99	110	112	120	120	120	120
Czechoslovakia	12	15	18	18	19	19	19	19	20
Poland ^f	40	41	54	76	81	85	87	84	N.A.
Romania ^f	12	15	35	39	42	42	43	41	40
Other									
Yugoslavia	89	102	97	126	111	128	117	111	102

^a Unless otherwise indicated, data are for smelter production of lead produced from domestic and imported ores and concentrates, excluding all metal produced from scrap (secondary metals).

^b Excluding refined lead produced from imported base bullion.

^c Including lead bullion.

^d Including secondary metal, remelted lead, and alloys.

^e Lead bullion from imported ores and concentrates.

^f Probably including some secondary metal.

Table 106

Thousand Metric Tons

Refined Zinc Production ^a

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD	2,210	2,780	3,540	3,180	3,520	3,600	3,610	3,990	3,770
United States ^b	788	978	866	450	515	454	441	525	350
Australia	122	202	264	200	249	256	295	310	306
Canada	237	326	418	427	472	495	495	580	586
Finland	0	0	56	110	111	138	133	147	140
Japan	180	318	676	722	776	805	793	816	782
Spain	47	54	88	138	161	153	177	186	190
European Community	783	842	1,090	1,050	1,150	1,210	1,180	1,320	1,320
Belgium	248	238	232	218	241	258	240	262	255
France	146	192	224	181	233	238	231	249	250
Italy	85	81	142	180	191	169	177	203	203
Netherlands	36	42	47	124	141	109	135	154	155
United Kingdom	76	107	147	53	42	81	74	77	75
West Germany	192	182	301	295	305	355	325	377	382
Communist Countries									
USSR and Eastern Europe	577	770	1,030	1,210	1,240	1,250	1,260	1,250	N.A.
USSR ^c	360	475	690	820	840	860	875	890	900
Eastern Europe	217	295	340	393	398	386	380	364	N.A.
Bulgaria	17	66	76	86	93	90	92	92	N.A.
East Germany	4	14	15	15	15	16	16	17	N.A.
Poland	176	190	209	243	237	228	222	209	215
Romania	20	25	40	49	53	52	50	46	44
Other									
Yugoslavia	36	46	65	98	96	99	92	99	99

^a Data are for electrolytic and distilled (including redistilled) zinc produced from domestic and imported ores and scrap and other secondary materials.

^b Including production from secondary smelters.

^c Primary metal only.

Table 107

Thousand Metric Tons

Titanium Sponge Metal Production ^a

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD									
United States ^b	4.8	8.2	13.9	14.4	9.2	12.5	16.0	20.0	N.A.
Japan	2.3	4.8	9.2	7.6	6.4	6.4	9.2	13.2	18.9
Communist Countries									
USSR	4.5	15.8	31.6	47.4	48.5	50.0	51.3	53.0	56.0

^a Raw titanium in the form of sponge metal produced from rutile or ilmenite concentrates.

^b Approximate output based on reports from various trade publications.

Table 108

Metric Tons

Cobalt Production ^a

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD									
Australia	13	91	469	600	545	1,000	1,360	1,540	1,600
Canada	1,970	2,010	2,069	1,354	1,356	1,485	1,234	1,640	1,603
Finland	N.A.	1,493	1,270	1,402	1,278	1,227	1,296	1,162	1,300
Other Countries									
Morocco	1,271	1,832	640	1,961	934	1,015	1,134	961	1,000
Zaire	8,222	8,388	13,958	13,971	11,000	10,200	13,300	15,000	15,500
Zambia	1,847	1,544	2,399	2,900	2,175	1,704	2,063	3,176	3,400
Communist Countries									
USSR	1,600	2,300	3,700	5,000	5,200	5,400	5,600	5,800	6,000
Cuba	N.A.	714	1,208	1,240	1,220	1,220	1,150	1,080	N.A.

^a Cobalt content of ores mined, unless otherwise indicated.

Table 109

Metric Tons

Smelter Production of Primary Tin ^a

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD									
United States	13,700	3,150	4,540	6,500	5,730	6,720	5,900	4,600	3,000
Australia	2,290	3,230	5,210	5,250	5,600	5,560	5,130	5,420	4,690
Spain	470	1,820	3,910	5,250	5,770	5,340	4,600	4,400	4,500
European Community	42,500	40,900	33,400	17,800	18,700	19,000	16,800	15,000	13,400
Belgium	8,390	4,300	4,260	4,560	4,070	3,520	3,300	3,000	3,000
United Kingdom	26,800	16,800	22,000	11,520	11,160	10,460	8,440	8,020	6,500
Other Countries									
Bolivia	1,020	3,470	300	7,530	9,790	13,040	16,250	14,950	18,190
Brazil	N.A.	1,435	3,100	5,400	6,420	7,420	9,310	9,990	9,020
Indonesia	2,010	1,210	5,190	17,800	23,320	24,000	25,830	27,790	27,900
Malaysia	77,600	73,600	91,500	83,100	77,300	66,300	71,950	73,070	71,000
Nigeria	N.A.	9,480	8,070	4,680	3,670	3,320	2,980	2,860	2,000
Thailand	220	5,610	22,000	16,600	20,340	23,100	28,940	33,060	33,000
Communist Countries									
USSR	10,600	14,000	21,000	25,000	26,500	28,500	30,000	32,500	32,500
East Germany	1,000	1,200	1,200	1,200	1,200	1,200	1,300	1,500	N.A.
China	29,000	12,000	10,000	18,000	11,000	13,000	15,000	17,000	18,000

^a Excluding tin derived from scrap or detinning.

Thousand Metric Tons

Primary Magnesium Production

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD									
United States	36	74	102	109	109	114	136	147	154
Canada	7	9	9	4	6	8	8	9	9
Japan	2	4	10	9	11	9	11	11	9
Norway	10	26	35	38	39	38	39	44	44
European Community									
France	2	3	5	8	8	9	9	9	9
Italy	5	6	8	7	9	9	10	9	9
Communist Countries									
USSR	25	50	80	98	98	100	100	103	104

Table 111

Gold Production

Million Troy Ounces

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD									
United States	1.67	1.71	1.74	1.05	1.05	1.10	1.00	0.97	0.93
Australia	1.09	0.88	0.62	0.53	0.50	0.63	0.65	0.60	0.56
Canada	4.63	3.60	2.41	1.65	1.69	1.73	1.74	1.64	1.55
Japan	0.26	0.26	0.26	0.14	0.14	0.15	0.15	0.13	0.10
Other Countries									
Colombia	0.43	0.32	0.20	0.31	0.30	0.26	0.26	0.27	0.28
Ghana	0.89	0.76	0.71	0.52	0.53	0.48	0.40	0.36	0.36
India	0.16	0.13	0.10	0.09	0.10	0.10	0.09	0.08	0.09
Mexico	0.30	0.22	0.20	0.14	0.16	0.21	0.20	0.19	0.20
Nicaragua	0.21	0.20	0.12	0.07	0.06	0.06	0.07	0.06	0.07
Philippines	0.41	0.44	0.60	0.50	0.50	0.58	0.59	0.56	0.64
South Africa	21.38	30.55	32.20	22.94	22.94	22.50	22.65	22.61	21.63
Zaire	0.31	0.09	0.18	0.10	0.09	0.08	0.08	0.07	0.07
Zimbabwe	0.56	0.55	0.44	0.35	0.39	0.40	0.40	0.39	0.37
Communist Countries									
USSR	3.63	5.33	7.00	8.29	8.87	9.19	9.54	9.87	10.20

Table 112

Thousand Troy Ounces

Platinum-Group Metals Production

	1960	1965	1970	1975	1976	1977	1978	1979	1980
United States ^a	24	35	17	19	6	6	8	7	3
Canada	460	463	482	399	417	465	346	198	405
South Africa ^b	406	754	1,500	2,600	2,700	2,870	2,860	3,017	3,100
USSR	1,000	2,000	2,500	3,300	3,400	3,400	3,500	3,600	3,700

^a Crude placer platinum and byproduct metals recovered largely from domestic copper refining.

^b Platinum-group metals from platinum ores and osmiridium from gold ores.

Table 113

Metric Tons

Molybdenum Production ^a

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD	32,000	40,000	66,400	61,200	66,200	72,300	74,000	76,600	80,600
United States	31,000	35,100	50,500	48,100	51,362	55,523	59,803	65,307	68,351
Canada ^b	348	4,340	15,300	13,000	14,619	16,568	14,068	11,175	12,198
Japan	381	277	264	140	220	182	123	117	96
Other Countries									
Chile	1,850	3,690	5,700	9,090	10,938	10,938	13,196	13,559	13,900
Peru	Negl.	680	607	651	453	463	729	1,085	1,000
Communist Countries									
USSR	4,800	7,300	9,500	10,500	10,700	11,000	11,300	11,600	12,000

^a Molybdenum content of ores and concentrates.

^b Shipments.

Transportation

Agriculture

Manufacturing Goods
and Forestry

Chemicals and
Rubber

Table 114

Thousand Metric Tons

Caustic Soda Production ^a

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD									
United States	8,250	11,600	18,300	19,100	20,600	21,200	21,600	23,600	22,400
Canada	4,510	6,207	9,200	8,694	9,202	9,918	10,259	11,587	10,273
Japan	338	583	860	845	1,000	1,014	1,036	1,060	1,085
	869	1,344	2,685	2,948	2,905	2,870	2,776	3,021	3,157
European Community	1,970	2,630	4,390	5,190	6,080	6,140	6,170	6,430	6,230
France	597	671	1,094	1,120	1,274	1,320	1,344	1,450	1,500
Italy	429	691	999	1,002	1,134	1,130	988	986	964
West Germany	776	1,178	1,682	2,489	3,090	3,108	3,252	3,415	3,185
Communist Countries									
USSR and Eastern Europe	1,420	2,250	3,140	4,220	4,580	4,760	4,930	4,980	5,180
USSR	704	1,199	1,783	2,395	2,604	2,658	2,763	2,680	2,755
Eastern Europe	716	1,050	1,360	1,830	1,970	2,100	2,170	2,300	2,420
Bulgaria	17	32	46	84	87	96	102	107	161
Czechoslovakia	115	158	189	257	293	312	311	312	326
East Germany	327	364	413	442	441	423	415	548	626
Hungary ^b	16	49	67	89	91	97	146	194	188
Poland	167	215	313	392	388	440	469	436	415
Romania	74	233	330	566	673	735	725	704	705
Other									
China	N.A.	600	900	1,300	N.A.	1,400	1,600	1,800	1,900
Cuba	N.A.	2	4	4	4	5	5	4	N.A.
Yugoslavia	48	88	93	97	90	96	86	102	136

^a Pure caustic soda (100 percent NaOH), including tonnage not commercialized but used on site for processing.

^b Including regenerated caustic soda.

Table 115

Thousand Metric Tons of N

Synthetic Ammonia Production ^a

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD									
United States	3,595 ^b	6,618	10,315	12,232	12,473	12,982	12,773	13,821	14,198
Canada	382 ^b	453	1,007	1,336	1,388	2,162	2,398	2,411	N.A.
Japan	1,059	1,779	2,682	2,990	2,156	2,202	2,368	2,328	2,116
European Community	3,420	5,030	6,580	7,820	7,310	7,810	7,950	8,070	N.A.
France	724	1,281	1,619	1,941	1,781	2,034	2,035	2,150	N.A.
Italy	724	1,035	1,272	1,452	1,220	1,168	1,444	1,458	1,409
Netherlands	410	661	1,340	1,908	1,951	2,166	2,115	1,800	N.A.
West Germany	1,242	1,659	1,821	1,981	1,862	1,989	1,955	2,161	2,044
Communist Countries									
USSR and Eastern Europe	2,180	5,000	10,400	16,200	16,900	17,800	19,000	19,800	21,400
USSR	1,138	3,137	6,282	9,868	10,090	10,744	11,462	12,278	13,764
Eastern Europe	1,040	1,860	4,090	6,340	6,850	7,100	7,530	7,500	7,630
Bulgaria	111	338	788	935	920	995	960	951	1,026
Czechoslovakia	153	254	432	710	725	791	812	804	841
East Germany	392	438	481	919	1,119	1,130	1,137	1,079	1,159
Hungary	67	173	414	513	703	729	746	803	900
Poland	285	440	1,187	1,707	1,726	1,665	1,616	1,530	1,438
Romania	29	218	792	1,559	1,660	1,793	2,259	2,333	2,267
Other									
China ^c	490	1,387	2,970	5,911	5,161	7,734	9,287	10,727	12,150
Yugoslavia	12	114	285	391	387	417	416	419	395

^a Unless otherwise indicated, nitrogen content of synthetic ammonia. To convert to actual production of synthetic ammonia, multiply by 1.2158.

^b Data are for 1961.

^c Including only ammonia produced for fertilizer.

Table 116

Thousand Metric Tons

Sulfuric Acid Production ^a

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD	38,700	51,400	61,600	64,900	65,800	73,800	75,500	79,400	79,600
United States ^b	16,223	22,544	26,785	29,357	30,392	35,821	37,479	39,117	39,815
Japan	4,452	5,655	6,925	5,997	6,095	6,392	6,437	6,582	6,772
European Community	12,700	15,800	18,200	17,200	18,100	19,100	19,500	20,600	19,500
France	2,046	2,916	3,682	3,758	3,959	4,501	4,584	5,069	4,950
Italy	2,299	2,979	3,327	3,006	2,896	2,952	2,945	2,956	2,629
United Kingdom	2,745	3,358	3,352	3,166	3,271	3,408	3,456	3,498	3,380
West Germany	3,170	3,751	4,435	4,157	4,668	4,680	4,680	5,066	4,576
Communist Countries									
USSR and Eastern Europe	7,890	12,800	18,100	27,300	28,500	29,600	31,100	30,900	31,600
USSR	5,398	8,518	12,059	18,645	20,015	21,104	22,411	22,364	23,030
Eastern Europe	2,500	4,230	6,090	8,620	8,440	8,530	8,660	8,550	8,520
Bulgaria	123	318	502	854	857	860	974	998	859
Czechoslovakia	553	933	1,110	1,245	1,240	1,276	1,195	1,253	1,284
East Germany	730	985	1,099	1,002	957	927	971	952	950
Hungary ^c	178	393	484	659	653	678	690	613	614
Poland	685	1,062	1,901	3,413	3,179	3,268	3,172	2,983	2,964
Romania	226	541	994	1,448	1,555	1,523	1,655	1,750	1,850
Other									
China	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	6,610	7,000	7,640
Cuba	N.A.	202	322	418	392	375	347	296	N.A.
Yugoslavia	121	405	696	871	843	874	902	976	1,105

^a Pure (monohydrate) sulfuric acid (100 percent H₂SO₄).^b Including appreciable amounts produced in government-owned privately operated plants.^c Including oleum.

Table 117

Thousand Metric Tons

Mineral Fertilizer Production, Nutrient Content ^a

	1960/61	1965/66	1970/71	1975/76	1976/77	1977/78	1978/79	1979/80
OECD ^b	22,300	33,900	43,300	46,300	49,600	51,600	55,300	58,800
United States	7,410	11,933	15,789	18,221	19,202	18,950	20,918	22,360
Canada	496	2,545	4,465	6,226	7,491	8,435	8,720	9,423
Japan	1,544	2,203	2,770	2,142	1,796	2,142	2,164	2,237
Spain	674	1,043	1,604	1,794	2,042	1,937	2,085	2,097
European Community	10,400	13,300	15,300	14,100	15,000	16,000	17,000	17,900
France	3,021	4,161	4,644	5,418	4,520	4,734	4,969	5,059
Italy	1,110	1,590	1,621	1,511	1,509	1,685	2,121	2,262
West Germany	3,897	4,610	4,743	3,756	4,240	4,473	4,508	4,915
Communist Countries	1960	1965	1970	1975	1976	1977	1978	1979
USSR and Eastern Europe	6,510	12,000	20,800	32,900	34,200	35,500	36,400	37,300
USSR ^c	3,281	7,389	13,099	21,988	22,590	23,493	23,653	24,774
Eastern Europe	3,230	4,640	7,710	10,900	11,600	12,000	12,700	12,500
Bulgaria	127	354	749	918	905	984	968	959
Czechoslovakia	287	484	680	1,012	1,100	1,178	1,176	1,140
East Germany	2,166	2,506	3,244	3,985	4,369	4,470	4,628	4,740
Hungary	102	265	517	690	767	788	855	850
Poland	477	738	1,629	2,581	2,593	2,610	2,621	2,431
Romania	71	293	895	1,729	1,869	1,981	2,461	2,451
Other								
China	498	1,502	2,780	5,720	4,830	7,238	8,691	10,654
Yugoslavia	45	226	364	410	373	411	410	430

^a Nitrogen fertilizer (in terms of nitrogen), phosphorus fertilizer (in terms of phosphoric anhydride), and potassium fertilizer (in terms of potassium oxide).

^b Data are for "fertilizer years"—in general, the year beginning 1 July.

^c Including some products used for technical purposes.

Table 118

Thousand Metric Tons of N

Nitrogen Fertilizer Production, Nutrient Content

	1960/61	1965/66	1970/71	1975/76	1976/77	1977/78	1978/79	1979/80
OECD ^a								
United States	8,460	13,400	19,300	21,200	21,800	22,600	24,400	26,200
Canada	2,739	5,081	8,161	9,891	9,788	9,495	10,076	11,180
Japan	286	377	726	775	1,204	1,578	1,674	1,675
Spain	1,030	1,615	2,105	1,557	1,171	1,446	1,457	1,493
European Community	110	323	592	825	883	906	929	950
Belgium	3,650	4,980	6,240	6,620	6,960	7,310	8,100	8,580
France	278	310	594	610 ^b	645 ^b	609 ^b	753 ^b	756 ^b
Italy	671	1,066	1,351	1,361	1,462	1,470	1,781	1,780
Netherlands	658	905	956	1,000	985	1,042	1,442	1,524
United Kingdom	417	562	930	1,155	1,297	1,453	1,518	1,500
West Germany	449	666	748	1,055	1,071	1,199	1,147	1,316
Other Countries ^a	1,180	1,419	1,505	1,259	1,290	1,305	1,273	1,476
India	110	232	846	1,508	1,862	2,000	2,173	2,224
Communist Countries								
USSR and Eastern Europe	1,910	4,250	8,740	13,500	14,000	14,700	15,200	16,100
USSR ^c	1,003	2,712	5,423	8,535	8,609	9,114	9,299	10,239
Eastern Europe	906	1,540	3,320	4,960	5,380	5,560	5,930	5,870
Bulgaria	86	260	602	672	663	705	685	730
Czechoslovakia	140	220	296	496	568	605	625	618
East Germany	334	348	395	538	776	838	892	875
Hungary	57	148	350	421	492	514	534	550
Poland	270	394	1,030	1,533	1,548	1,521	1,470	1,295
Romania	19	166	647	1,292	1,331	1,381	1,723	1,689
Other								
China	404	1,240	2,443	5,026	4,244	6,360	7,637	8,821
Yugoslavia	4	90	238	278	277	311	306	314
								296

^a Data are for "fertilizer years"—in general, the year beginning 1 July. Including some technical nitrogen and anhydrous ammonia exported for further processing.

^b Including Luxembourg.

^c Including some nitrogen for technical purposes.

Table 119

Thousand Metric Tons of P₂O₅

Phosphate Fertilizer Production, Nutrient Content

	1960/61	1965/66	1970/71	1975/76	1976/77	1977/78	1978/79	1979/80
OECD ^a	7,960	11,300	13,700	13,900	15,200	15,800	16,900	17,800
United States	2,626	4,260	5,369	6,531	7,070	7,480	8,556	9,083
Australia	569	940	695	481	722	755	848	919
Canada	210	419	560	610	632	651	660	685
Japan	515	588	665	585	625	696	707	744
Spain	299	317	487	456	592	479	493	478
European Community	3,100	3,940	4,800	3,720	4,080	4,300	4,180	4,330
Belgium	289	415	745	625 ^b	589 ^b	623 ^b	592 ^b	618 ^b
France ^c ^d	770	1,218	1,451	1,259	1,490	1,560	1,357	1,364
Italy	399	512	510	370	383	510	544	620
West Germany	750	857	946	649	733	722	696	735
Other Countries								
Brazil	45	61	162	594	926	1,122	1,186	1,306
Communist Countries								
USSR and Eastern Europe	1,850	3,470	5,500	8,120	8,310	8,770	9,090	9,200
USSR ^c	1,192	2,300	3,585	5,511	5,664	6,024	6,153	6,344
Eastern Europe	658	1,170	1,910	2,610	2,650	2,750	2,930	2,860
Bulgaria	41	94	148	246	242	279	283	282
Czechoslovakia ^c	147	258	322	398	376	389	367	358
East Germany ^c	166	232	430	427	423	403	413	411
Hungary	45	117	167	206	188	165	185	165
Poland	207	344	599	929	928	966	1,026	931
Romania	52	127	244	404	493	548	660	709
Other								
China ^c	94	262	330	680	574	860	1,033	1,817
Yugoslavia	41	136	126	132	96	100	97	116
Other								

^a Data are for "fertilizer years"—in general, the year beginning 1 July.^c Including production of ground phosphate rock for direct application and phosphate animal feeds.^d Beginning 1 May of the stated year.

Table 120

Thousand Metric Tons of K₂O

Potassium Fertilizer Production, Nutrient Content

	1960/61	1965/66	1970/71	1975/76	1976/77	1977/78	1978/79	1979/80
OECD ^a								
United States	5,920	9,130	10,300	11,200	12,500	13,100	14,000	14,800
	2,045	2,592	2,259	2,099	2,344	1,975	2,286	2,097
Canada	0	1,749	3,179	4,842	5,655	6,206	6,387	7,063
Spain	265	404	525	512	566	552	663	669
European Community	3,600	4,390	4,290	3,760	3,970	4,400	4,680	5,010
France ^b	1,581	1,877	1,842	1,734	1,567	1,704	1,831	1,915
West Germany ^c	1,967	2,335	2,293	1,848	2,217	2,445	2,540	2,704
Other Countries								
Israel	92	310	576	712	645	683	676	769
Communist Countries								
USSR and Eastern Europe	2,750	4,300	6,570	11,300	11,900	12,000	12,000	12,000
USSR ^d	1,084	2,368	4,087	7,944	8,310	8,347	8,193	8,064
Eastern Europe	1,670	1,930	2,490	3,400	3,600	3,700	3,850	3,920
Czechoslovakia ^e	0	6	62	168	184	184	191	199
East Germany	1,666	1,926	2,420	3,019	3,161	3,229	3,323	3,395
Hungary ^e	0	0	0	63	87	109	136	143
Poland ^e	0	0	0	119	120	123	125	110
Romania ^e	0	0	4	33	45	52	78	75
Other								
China	0	0	7	14	12	18	21	16
								20

^a Data are for "fertilizer years"—in general, the year beginning 1 July. Including

unidentified double counting of some products used for technical purposes (estimated at 4 percent to 5 percent of the total).

^b Beginning 1 May of the stated year.^c Excluding technical potash.^d Including some potassium for technical purposes.^e Imported potash added to domestically produced nitrogen and phosphate to form multinutrient fertilizer.

Table 121

Plastics Production

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD									
United States ^a	2,850	5,300	9,660	10,206	13,261	11,232	12,380	13,866	12,418
Japan	556	1,609	5,128	4,373	4,952	4,978	5,882	6,964	6,422
European Community	2,400	5,070	10,200	13,400	16,700	17,700	18,300	19,800	18,400
West Germany	982	1,999	4,321	5,046	6,444	6,270	6,703	7,255	6,710
Communist Countries									
USSR and Eastern Europe	560	1,370	2,860	4,920	5,530	6,100	6,500	6,560	7,040
USSR ^b	312	803	1,670	2,838	3,058	3,309	3,516	3,478	3,638
Eastern Europe	248	571	1,190	2,080	2,470	2,790	2,980	3,080	3,400
Bulgaria	7	33	89	156	157	169	178	200	250
Czechoslovakia	64	126	245	428	581	738	810	853	894
East Germany	115	219	370	605	679	734	762	779	800
Hungary	10	27	56	124	141	148	213	294	328
Poland	40	91	224	421	446	463	467	440	549
Romania	12	75	206	347	465	543	552	516	579
Other									
China	N.A.	100	180	330	N.A.	520	680	790	900
Yugoslavia	15	57	97	160	205	237	293	342	438

^a Dry basis, excluding water, solvents, and other liquid diluents.^b Including resins for manmade fibers.

Table 122

Natural Rubber Production

	1960	1965	1970	1975	1976	1977	1978	1979	1980
Thousand Metric Tons									
India	25.2	49.4	89.9	136.0	147.8	151.6	133.0	147.2	155.4
Indonesia ^a	620.3	716.5	815.2	822.5	847.5	835.0	902.5	905.0	996.0
Malaysia ^b	755.7	917.0	1,269.2	1,459.3	1,612.4	1,588.0	1,583.0	1,599.9	1,552.3
Sri Lanka	98.8	118.3	159.2	148.8	152.1	146.2	155.7	152.7	133.2
Thailand ^a	170.8	216.4	318.8	355.0	411.9	430.9	467.0	531.2	515.0

^a Exports plus estimated consumption.^b Including data for Malaya and Singapore, Sarawak, and Sabah.

Table 123

Synthetic Rubber Production

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD	1,910	2,960	4,550	4,480	5,470	5,710	5,840	6,090	5,380
United States	1,459	1,842	2,232	1,990	2,425	2,521	2,605	2,675	2,150
Canada	162	206	205	173	210	238	248	282	253
Japan	23	161	698	789	941	971	1,029	1,107	1,094
European Community	269	728	1,340	1,410	1,740	1,820	1,790	1,860	1,700
France	17	148	316	350	437	479	492	541	511
Italy	67	120	155	200	250	240	250	270	250
Netherlands	12	100	200	216	247	240	223	228	215
United Kingdom	92	175	316	261	320	329	294	278	212
West Germany	81	164	302	316	373	414	407	418	390
Other Countries									
Brazil	0	39	75	129	164	188	206	224	249
Communist Countries									
USSR and Eastern Europe	454	789	1,210	1,880	2,000	2,190	2,300	2,400	2,410
USSR ^a	347	604	914	1,450	1,570	1,700	1,795	1,867	1,880
Eastern Europe	107	185	295	27	435	486	503	534	527
Bulgaria	0	0	4	19	21	25	25	30	30
Czechoslovakia	0	20	50	57	57	59	59	60	59
East Germany ^b	87	95	118	144	145	147	145	165	170
Poland	20	39	62	108	117	119	126	130	118
Romania	0	31	61	99	95	136	148	149	150

^a Estimated.^b Including Pervinan and Plastikator.

Thousand Metric Tons

Manufacturing Goods
and Forestry

Agriculture

Transportation

Table 124

Woven Cotton Fabrics Production ^a

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD									
United States (million lm)	8,564	8,447	5,711	3,744	4,091	3,983	3,664	3,527	3,435
Japan (million sm)	3,221	3,013	2,616	2,124	2,232	2,268	2,316	2,340	2,202
Spain (thousand mt)	93	101	112	132	122	127	N.A.	N.A.	N.A.
Turkey ^b (million lm)	384	781	815	787	760	662	773	827	670
European Community									
France (thousand mt)	384	210	197	174	185	192	168	169	161
Italy (thousand mt)	139	103	129	126	113	138	137	154	188
United Kingdom ^b (million lm)	1,183	928	628	406	374	370	379	350	314
West Germany (thousand mt)	249	206	182	150	153	169	144	145	147
Other Countries									
Hong Kong ^b (million sm)	387	543	645	682	823	677	653	718	660
India (million lm)	6,629	7,643	7,849	8,028	7,944	6,900	7,320	7,351	N.A.
Pakistan ^{b c} (million lm)	575	654	663	608	569	436	N.A.	N.A.	N.A.
Communist Countries									
USSR and Eastern Europe									
USSR ^d (million sm)	4,838	5,499	6,152	6,634	6,779	6,811	6,967	6,977	7,033
Eastern Europe									
Bulgaria ^d (million lm)	218	291	319	372	359	371	353	347	344
Czechoslovakia ^{d e} (million lm)	464	500	501	555	531	571	593	608	613
East Germany (million sm)	254	244	248	246	274	272	264	263	N.A.
Hungary ^d (million sm)	247	323	304	352	353	366	365	349	335
Poland ^d (million lm)	665	811	881	928	948	948	917	884	883
Romania ^d (million sm)	248	319	437	591	677	703	718	707	710
Other									
China (million lm)	N.A.	5,727	8,500	9,565	8,888	10,151	11,029	12,150	12,800
Cuba (million sm)	N.A.	96	76	138	134	149	154	148	N.A.
Yugoslavia ^f (million sm)	257	394	390	376	385	384	410	418	386

^a Unless otherwise indicated, data are for fabrics, in the piece, before undergoing finishing processes such as bleaching, dyeing, and making up. Abbreviations for units of measure are as follows: linear meters, lm; square meters, sm; and metric tons, mt.

^b Excluding mixed fabrics.

^c Mill production only. Data include finished fabrics.

^d Fabrics after undergoing finishing processes.

^e Including nonwoven fabrics.

^f Including cellulosic fabrics.

Table 125

Woven Woolen Fabrics Production ^a

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD									
United States (million lm)	262	244	163	71	87	93	107	107	105
Australia ^b (million sm)	25	30	27	14	14	6	7	8	9
Canada ^c ^d (million sm)	25	30	28	31	29	28	28	N.A.	N.A.
Japan ^e (million sm)	316	341	426	356	373	347	336	326	294
Spain (thousand mt)	17	22	34	30	28	29	30	N.A.	N.A.
Turkey ^f (million lm)	10	24	25	35	38	23	32	36	24
European Community									
Belgium (thousand mt)	29	38	39	30	34	27	28	31	36
France (thousand sm)	122	103	108	107	91	101	109	113	117
Italy (thousand mt)	47	35 ^f	134	159	189	100	98	N.A.	N.A.
Netherlands ^c (million sm)	68	67	27	19	17	13	12	N.A.	N.A.
United Kingdom ^c ^d (million sm)	307	270	215	151	143	150	144	138	118
West Germany ^c (thousand mt)	51	55	48	38	40	37	36	36	39
Communist Countries									
USSR and Eastern Europe									
USSR ^c (million sm)	439	466	643	740	764	773	781	774	780
Eastern Europe									
Bulgaria ^c (million lm)	19	20	27	38	34	35	33	34	38
Czechoslovakia ^c ^g (million lm)	46	44	49	69	65	65	62	59	59
East Germany (million sm)	49	39	37	37	39	39	38	38	N.A.
Hungary ^c (million sm)	32	36	39	39	41	43	43	41	43
Poland ^c (million lm)	79	91	99	124	126	125	125	122	121
Romania ^c (million sm)	32	41	63	96	105	119	123	125	127
Other									
Yugoslavia (million sm)	46	55	57	66	67	77	78	76	92

^a Unless otherwise indicated, data are for woven woolen and worsted fabrics (in the piece, before undergoing finishing processes such as bleaching, dyeing, and making up) and for mixed woolen fabrics. Abbreviations for units of measure are as follows: linear meters, lm; square meters, sm; and metric tons, mt.

^b Twelve months ending 30 June of the stated year.

^c Fabrics after undergoing finishing processes.

^d Factory shipments.

^e Including finished fabrics.

^f Excluding mixed fabrics.

^g Including nonwoven fabric.

Table 126

Woven Rayon and Acetate Fabrics Production ^a

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD									
United States (million lm)	1,312	1,792	1,374	610	507	600	673	672	653
Australia ^b (million sm)	15	27	29	16	17	17	15	18	19
Japan ^c (million sm)	1,828	1,653	1,545	840	924	888	852	900	881
European Community									
Belgium (thousand mt)	10	17	26	28	31	32	33	34	34
France ^d (thousand mt)	30	32	42	47	50	49	48	52	57
United Kingdom ^d (million lm)	564	572	444	496	493	498	458	458	350
West Germany (thousand mt)	N.A.	116	97	67	72	66	66	65	67
Other Countries									
India ^d (million lm)	550	870	935	846	1,024	1,166	N.A.	N.A.	N.A.
Communist Countries									
USSR and Eastern Europe									
USSR (million sm)	628	769	1,112	1,463	1,550	N.A.	N.A.	N.A.	N.A.
Eastern Europe									
Bulgaria ^d ^e ^f (million lm)	11	15	21	31	32	29	32	30	33
Czechoslovakia (million lm)	N.A.	59	65	62	59	60	58	51	N.A.
East Germany (million sm)	68	77	117	121	118	124	131	132	N.A.
Hungary ^c (million sm)	28	36	57	55	57	57	62	57	56
Poland ^f (million lm)	112	126	156	180	190	177	168	163	163
Romania ^c ^f (million sm)	25	32	48	89	106	120	126	130	134
Other									
Cuba ^g (million sm)	N.A.	21	2	6	5	3	2	2	N.A.
Yugoslavia ^d (million sm)	19	24	29	36	36	42	41	39	36

^a Unless otherwise indicated, data are for pure and mixed fabrics, in the piece, before undergoing finishing processes such as bleaching, dyeing, and making up. Abbreviations for units of measure are as follows: linear meters, lm; square meters, sm; and metric tons, mt.

^b Twelve months ending 30 June of the stated year.

^c Including finished fabrics.

^d Including fabrics of noncellulosic fibers.

^e Including fabrics of natural silk.

^f Fabrics after undergoing finishing processes.

^g State production of woven rayon.

Table 127

Thousand Metric Tons

Synthetic Fibers Production ^a

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD									
United States	307.2	806.0	1,626.7	2,664.4	2,996.3	3,316.8	3,523.0	3,818.6	3,571.2
Canada	17.0	37.5	73.4	95.8	98.3	114.7	118.4	122.0	N.A.
Japan	118.3	379.6	1,027.9	1,061.2	1,245.5	1,320.0	1,418.4	1,410.0	1,400.4
Spain	3.1	14.8	63.5	120.2	146.2	159.6	189.6	189.6	N.A.
European Community	204	586	1,370	1,660	2,030	1,870	1,980	1,960	1,790
France	45.3	92.8	175.2	204.7	250.6	249.6	258.0	235.2	222.4
Italy	33.7	109.8	241.7	321.9	427.5	381.6	405.6	406.8	399.6
United Kingdom ^b	61.0	148.0	336.9	361.2	414.0	358.8	406.8	381.6	288.0
West Germany	52.3	179.3	497.0	633.6	770.4	712.8	746.4	784.8	721.2
Communist Countries									
USSR and Eastern Europe	35.5	136	361	819	912	1,000	1,080	1,130	1,200
USSR	15.0	77.0	167.0	365.0	408.0	459.0	497.0	529.0	566.0
Eastern Europe	20.5	58.7	194	454	504	543	579	600	632
Bulgaria	0	0	23.1	41.7	41.9	44.0	45.5	51.7	53.5
Czechoslovakia	3.4	9.8	31.4	69.4	75.1	80.1	92.9	97.6	106.3
East Germany	7.8	19.0	47.3	111.8	117.6	124.0	131.1	135.8	140.1
Hungary	0.4	2.3	5.6	11.3	11.8	16.9	19.3	18.7	20.2
Poland	8.0	24.3	57.5	124.2	143.3	153.4	158.6	160.6	170.0
Romania	0.9	3.3	29.5	95.6	113.9	124.5	131.3	135.2	141.9
Other									
Yugoslavia	N.A.	1.1	8.7	18.5	20.8	25.7	35.8	36.0	49.9

^a Data are for noncellulosic fibers whether made of natural polymers, which are based on materials such as casein or groundnuts, or made of synthetic polymers, which are based mostly on coal or petroleum. Data exclude waste, glass fibers, and rubber fibers.

^b "Delivery weight," approximately 3 percent less than "actual weight," prior to mid-1967. Thereafter, approximately one-half of production is reported as "actual weight."

Table 128

Electric Generator Production ^a

	1960	1965	1970	1975	1976	1977	1978	1979	1980
United States ^b	12,899	15,451	27,565	30,496	35,349	30,222	27,865	29,757	21,122
Communist Countries									
USSR	7,900	14,390	10,578	17,100	16,600	17,900	18,200	17,000	16,100
Bulgaria	29	13	37	32	96	67	65	83	N.A.
Czechoslovakia ^c	1,391	888	1,488	1,474	1,775	1,863	1,745	1,300	N.A.
Hungary ^{c,d}	347	416	590	861	801	125	29	420	N.A.
Romania	83	295	747	1,479	2,234	1,515	1,069	1,016	N.A.
China	N.A.	800	2,300	N.A.	N.A.	3,181	4,838	6,212	4,193

^a Turbogenerators and hydrogenerators. Production of diesel generators is believed to be negligible in most instances.

^b Shipments of units of 4,000 kilowatts and larger.

^c Generators for steam and gas turbines only.

^d Thousand kilovolt amperes.

Table 129

Turbine Production ^a

	1960	1965	1970	1975	1976	1977	1978	1979	1980
United States ^b	12,899	15,451	27,565	30,496	35,349	30,222	27,865	29,757	21,122
Communist Countries									
USSR ^c	9,200	14,625	16,191	18,886	19,594	18,900	19,500	20,000	20,300
Czechoslovakia	1,555	1,994	2,239	1,720	1,616	1,745	1,688	1,252	N.A.
Poland ^d	186	471	1,135	1,820	1,831	1,532	1,579	1,872	1,318
Romania ^e	98	27	121	712	678	734	603	515	N.A.

^a Unless otherwise indicated, data are for steam and hydraulic turbines. Most production of turbines is for use in matched sets with generators for production of electricity. In addition, turbines are produced in single units for many purposes, including direct industrial drives, marine propulsion, and pipeline transmission.

^b Shipments of units of 4,000 kilowatts and larger. Data are available only for turbines produced in integral units together with generators. Therefore, data for turbines and

generators for the United States are assumed to be the same. Some turbines are produced in single units, but no data are available on this production.

^c Including a small number of gas turbines.

^d Steam turbines only.

^e Steam turbines of more than 500 kilowatts only.

Table 130

Million Square Meters

Housing Construction ^a

	1960	1965	1970	1975	1976	1977	1978	1979	1980
United States	145.4	159.5	152.3	161.6	177.0	213.3	236.9	232.3	180.0
USSR	109.6	97.6	106.0	109.9	106.2	107.8	106.8	101.4	108.0

^a Total housing space, which includes living rooms, bedrooms, dining area, and auxiliary space such as bathrooms, kitchens, closets, and inside hallways.

Table 131**Metalcutting Machine Tool Production ^a**

	1960	1965	1970	1975	1976	1977	1978	1979	1980
United States ^b									
Million US \$	539.30	1,047.80	1,097.70	1,790.40	1,592.20	1,789.40	2,139.00	2,946.05	4,608.97
Thousand units	42.91	68.01	49.31	64.32	54.10	59.40	58.12	76.07	61.37
Communist Countries									
USSR and Eastern Europe									
USSR									
Million US \$ ^c	611.74	931.48	1,427.88	2,179.78	2,340.38	2,556.49	2,805.78	2,692.24	2,830.40
Thousand units	155.92	186.13	202.16	231.35	232.79	237.56	237.88	230.00	221.00
Eastern Europe									
Bulgaria (thousand units)	3.15	8.06	13.94	16.28	14.44	13.74	15.32	16.47	17.50
Czechoslovakia (thousand units)	30.23	24.33	35.19	29.66	31.73	37.61	34.25	35.66	34.00
East Germany (thousand units)	41.90	24.77	22.22	19.72	19.42	18.76	19.33	18.42	17.00
Hungary (thousand units)	9.78	13.85	14.48	12.83	14.01	15.27	12.69	12.06	11.06
Poland (thousand units)	22.47	31.13	29.73	33.19	24.23	23.18	30.00	30.86	31.00
Romania (thousand units)	4.44	7.16	14.14	28.27	29.95	30.07	27.55	27.19	27.00
Other									
China (thousand units)	N.A.	40.00	140.00	175.00	N.A.	200.00	180.00	140.00	130.00

^a Power-driven metalcutting machines that are not portable by hand and are used to remove metal in the form of chips; these machines include lathes and planers and milling, honing, lapping, grinding, electroerosion, and ultrasonic cutting machines.

^b Average value of \$1,000 and over for 1960-77 and beginning in 1978, \$2,500 and over.

^c Converted at the exchange rate of 1 ruble=\$1.46.

Table 132

Metalforming Machine Tool Production ^a

	1960	1965	1970	1975	1976	1977	1978	1979	1980
United States									
Million US \$	238.4	409.9	454.1	615.7	586.0	651.3	784.7	989.6	1,157.0
Thousand units ^b	19.3	25.3	24.2	26.8	26.7	32.5	29.5	31.4	30.3
USSR									
Million US \$ ^c	188.3	235.1	359.2	581.1	664.3	706.6	776.7	792.8	825.0
Thousand units	29.9	34.6	41.3	50.5	51.9	54.3	55.4	56.3	57.2

^a Power-driven metalforming machine tools that are not supported in the hands of an operator when in use and are designed to press, forge, emboss, hammer, extrude, blank, spin, shear, and bend metal into shape.

^b Average value of \$1,000 and over for 1960-77 and beginning in 1978, \$2,500 and over.

^c Converted at the exchange rate of 1 ruble = \$1.46.

Table 133

Grain Combine Production ^a

	1960	1965	1970	1975	1976	1977	1978	1979	1980
United States ^b	30,165	37,606	21,017	31,259	31,712	31,943	31,843	32,400	N.A.
Communist Countries									
USSR and Eastern Europe	67,000	94,200	103,000	108,000	112,000	116,000	124,000	N.A.	N.A.
USSR	59,000	85,800	99,200	97,500	101,700	105,500	113,000	115,000	117,000
Eastern Europe	8,040	8,380	4,230	10,800	10,600	10,700	11,200	N.A.	N.A.
East Germany	1,972	1,585	900	1,500	1,400	1,400	3,000	N.A.	N.A.
Poland	564	1,781	2,155	3,591	3,956	4,003	4,301	4,268	N.A.
Romania	5,500	5,012	1,179	5,659	5,198	5,365	3,887	3,016	N.A.

^a Tractor-drawn and self-propelled.

^b Shipments.

Units

Table 134

Computers and Peripheral Equipment Production

	1970	1975	1976	1977	1978	1979	1980
OECD							
United States ^a (million US \$)	3,678	7,478	9,900	11,766	14,995	19,376	24,026
Japan (million US \$)	862	1,824	2,087	2,679	4,326	5,131	N.A.
United Kingdom ^b (million US \$)	501	1,081	1,068	1,177	1,569	2,231	2,672
West Germany (million US \$)	736	1,403	1,577	2,201	2,712	3,236	3,504
Communist Countries							
USSR ^c (million rubles)	710	1,921	2,266	2,807	3,400	3,941	4,500
East Germany ^d (million marks)	1,100	2,033	2,173	2,327	2,423	3,030	N.A.
Hungary ^e (million forints)	128	2,852	3,677	4,177	4,558	5,200	4,546
Poland ^f (million zlotys)	650	6,760	8,779	9,884	10,748	11,668	11,485

^a Shipments.^b Sales.^c Including business machines. Starting in 1975, the Soviets changed their prices; therefore, data for 1975-80 are not comparable with data for earlier years.^d Including business machines. Values are based on current prices.^e Based on current prices.^f Based on comparable prices.

Table 135

Tractor Production ^a

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD									
United States	178.5	271.8	191.7	232.0	213.2	226.3	197.3	222.4	155.4
European Community									
France	63.4	90.0	68.8	55.8	64.5	60.4	48.1	46.5	39.1
Italy	37.6	62.7	84.8	116.4	128.2	140.5	116.4	115.8	N.A.
United Kingdom ^b	181.0	178.5	160.7	141.7	161.5	147.2	135.0	125.0	N.A.
West Germany ^c	120.7	105.0	105.4	114.1	125.2	128.9	112.0	115.0	N.A.
Communist Countries									
USSR and Eastern Europe	308	443	570	697	717	733	746	719	N.A.
USSR	238.5	354.5	458.5	550.4	562.2	569.1	576.1	557.0	557.6
Eastern Europe	70.0	88.2	112	147	155	164	170	162	N.A.
Bulgaria	0	3.8	4.4	5.1	5.9	6.3	7.7	5.9	N.A.
Czechoslovakia	32.5	32.1	18.5	29.6	31.5	35.0	33.3	35.4	N.A.
East Germany	9.1	12.9	16.4	4.0	4.0	3.9	3.4	3.5	N.A.
Hungary	2.6	3.0	1.9	0.6	0.5	0.7	0.4	0.1	0.1
Poland	8.7	20.6	41.0	57.6	58.8	59.1	59.5	54.2	57.5
Romania	17.1	15.8	29.3	50.0	53.9	59.3	65.7	62.5	N.A.
Other									
China	10.8	13.7	24.0	N.A.	N.A.	99.3	113.5	125.6	98.0
Yugoslavia	7.3	7.4	12.0	33.2	42.2	41.8	50.1	49.9	N.A.

^a Excluding garden-type tractors.^b Shipments.^c Excluding tracklaying tractors.

Table 136

Thousand Units

Passenger Automobile Production

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD									
United States ^a	6,675	9,306	6,547	6,713	8,498	9,199	9,165	8,419	6,400
Canada	326	707	923	1,045	1,137	1,163	1,144	988	847
Japan	165	696	3,179	4,568	5,028	5,431	5,976	6,180	6,738
Spain	N.A.	160	455	702	754	1,028	989	973	1,040
European Community	4,920	7,130	9,410	8,530	9,800	10,200	10,300	10,300	9,450
France	1,136	1,374	2,458	2,951	3,388	3,559	3,624	3,732	3,487
Italy ^b	596	1,104	1,720	1,348	1,471	1,452	1,512	1,476	1,450
United Kingdom	1,353	1,722	1,641	1,268	1,333	1,316	1,223	1,070	924
West Germany	1,817	2,734	3,528	2,905	3,548	3,796	3,900	3,936	3,512
Other Countries									
Brazil	57	114	255	554	556	463	538	553	925
Communist Countries									
USSR and Eastern Europe	272	411	710	1,780	1,880	1,980	2,080	2,110	N.A.
USSR	139	201	344	1,201	1,239	1,280	1,312	1,314	1,327
Eastern Europe	133	210	366	581	645	697	769	793	N.A.
Bulgaria	0	0	8	15	15	15	15	15	N.A.
Czechoslovakia	56	78	143	175	179	159	176	182	N.A.
East Germany	64	103	127	159	164	167	171	171	N.A.
Poland ^c	12	25	64	164	216	279	326	350	351
Romania ^d	1	4	24	68	71	77	81	75	N.A.
Other									
Yugoslavia ^e	4	36	111	183	195	234	254	279	N.A.

^a Factory sales. Starting in 1980 excluding passenger vans^b Excluding production for the armed forces.^c Excluding special passenger cars.^d Including jeeps.^e Including vehicles assembled from imported parts.

Table 137

Truck and Bus Production ^a

OECD ^b	1960	1965	1970	1975	1976	1977	1978	1979	1980
United States ^c	1,194	1,752	1,692	2,272	2,979	3,442	3,706	3,037	1,667
Canada	72	145	236	379	503	613	611	644	528
Japan	595	1,222	2,126	2,376	2,556	3,072	3,264	3,468	4,004
Spain	17	74	77	113	107	134	150	166	150
European Community	982	1,020	1,210	1,120	1,290	1,320	1,300	1,370	1,560
France	234	242	292	336	468	456	456	468	505
Italy ^d	49	72	134	109	119	144	146	151	168
United Kingdom	458	455	458	380	372	398	384	408	490
West Germany	238	243	318	288	324	312	300	324	380
Other Countries									
Brazil	76	72	161	395	449	442	526	575	N.A.
Communist Countries									
USSR and Eastern Europe	568	505	728	980	1,000	1,030	1,060	1,070	N.A.
USSR	501	415	572	763	786	808	839	859	872
Eastern Europe	67	90	156	217	219	218	216	215	N.A.
Bulgaria	0	0	3	6	7	7	7	8	N.A.
Czechoslovakia ^e	18	18	27	36	40	39	40	43	N.A.
East Germany	13	16	27	38	38	40	40	40	40
Hungary ^e	4	6	10	13	13	13	14	14	13
Poland	23	34	53	85	83	80	77	70	60
Romania	9	16	37	39	38	39	38	38	N.A.
Other									
China ^f	15	30	70	133	133	125	149	186	220
North Korea	3	4	8	19	21	22	23	24	N.A.
Yugoslavia	6	12	17	19	22	21	20	23	N.A.

^a Unless otherwise indicated, data are for light and heavy trucks, wheeled

tractors for road haulage, special vehicles, and buses.

^b Data include complete units exported for assembly.

^c Factory sales, including passenger vans starting in 1980.

^d Excluding production for the armed forces.

^e Excluding wheeled tractors.

^f Excluding buses, jeeps, and three-wheel trucks.

Railroad Freight Car Production ^a

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD									
United States ^b	57.31	77.83	66.18	72.39	52.55	51.73	67.44	90.02	85.92
European Community									
France ^b	7.93	15.04	14.23	9.62	6.92	6.37	3.75	6.06	5.60
West Germany	6.63	11.31	9.60	6.96	6.82	6.81	5.89	6.01	10.60
Other Countries									
India	11.90	33.50	11.98	12.24	11.28	12.67	11.00	11.29	12.80
Communist Countries									
USSR and Eastern Europe	64.7	72.9	97.5	117	119	118	115	108	N.A.
USSR	36.40	39.60	58.30	69.90	71.90	71.20	68.30	64.60	63.00
Eastern Europe	28.3	33.3	39.2	47.4	46.7	47.3	46.2	43.8	N.A.
Bulgaria	2.01	1.58	1.99	2.51	2.55	2.75	2.56	2.86	N.A.
Czechoslovakia	5.15	4.30	4.35	5.03	5.09	5.53	6.20	6.84	N.A.
East Germany	2.14	2.17	5.71	5.05	5.43	5.59	5.80	5.03	N.A.
Hungary	0.45	0.55	0.50	0.48	0.09	0.16	0.06	0.01	0.03
Poland	13.90	16.30	15.46	18.74	20.40	18.60	17.87	15.91	15.20
Romania	4.62	8.58	11.16	15.59	13.11	14.65	13.75	13.20	N.A.
Other									
China	23.00	6.60	8.00	14.50	15.00	6.40	16.95	16.04	10.57
North Korea	0.60	1.60	3.50	6.90	7.40	8.90	9.20	9.50	N.A.
Yugoslavia	3.42	4.85	2.61	3.33	3.32	1.23	1.45	1.72	N.A.

^a Units of two, four, or more axles. Most production now consists of four-axle units.

^b Shipments.

Table 139

Television Receiver Production

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD									
United States	5,828	11,028	9,483	10,637	14,131	15,432	17,406	16,616	17,508
Japan	3,578	4,190	13,782	12,625	17,105	15,210	15,000	15,300	18,100
European Community	6,140	7,210	9,350	9,400	10,200	11,200	11,800	11,300	N.A.
France	655	1,250	1,811	1,606	1,777	1,911	2,101	1,854	1,928
Italy	728	1,042	2,030	1,595	1,813	2,211	2,172	2,031	1,984
United Kingdom	2,141	1,591	2,214	2,124	2,106	2,175	2,410	2,470	2,060
West Germany	2,164	2,776	2,936	3,356	3,727	4,082	4,290	4,100	N.A.
Communist Countries									
USSR and Eastern Europe	2,720	5,360	8,900	9,920	10,100	9,940	10,100	10,300	N.A.
USSR	1,726	3,655	6,682	6,960	7,063	7,073	7,165	7,271	7,500
Eastern Europe	989	1,700	2,220	2,960	3,000	2,870	2,960	3,030	N.A.
Bulgaria	Negl.	74	193	124	58	65	70	82	88
Czechoslovakia	263	274	383	445	456	461	482	450	389
East Germany	416	537	380	509	560	525	487	584	N.A.
Hungary	139	267	364	400	412	423	435	421	418
Poland	171	452	616	971	963	920	972	915	896
Romania	Negl.	101	280	512	548	476	516	574	541
Other									
China	N.A.	5	15	205	163	245	517	1,329	2,492
Yugoslavia	14	254	320	425	402	427	449	599	543

Table 140

Radio Receiver Production ^a

Thousand Units

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD									
United States ^b	24,463	41,726	44,427	34,516	44,102	52,926	48,036	40,029	28,104
Canada ^c	696	931	2,004	1,009	837	1,152	1,049	N.A.	N.A.
Japan	12,851	22,937	32,618	14,283	16,770	17,308	16,278	13,910	15,343
European Community	8,560	11,100	16,400	10,900	13,000	14,000	11,900	N.A.	N.A.
Belgium/Luxembourg/Netherlands	1,103	1,240	1,943	1,796	1,726	1,894	1,820	N.A.	N.A.
France	2,214	2,298	2,921	3,051	3,458	3,570	3,019	2,770	2,185
Italy	935	1,195	3,300	791	1,540	1,961	1,616	1,735	1,690
United Kingdom	2,504	1,912	1,313	684	723	892	810	N.A.	N.A.
West Germany	4,313	4,071	6,729	4,415	5,443	5,589	4,468	4,441	N.A.
Communist Countries									
USSR and Eastern Europe	6,400	7,570	10,800	12,500	13,000	13,400	13,600	13,400	N.A.
USSR	4,165	5,160	7,815	8,376	8,456	8,652	8,728	8,452	8,500
Eastern Europe	2,240	2,410	3,020	4,100	4,590	4,780	4,930	4,960	N.A.
Bulgaria	157	130	145	228	169	147	86	53	N.A.
Czechoslovakia	270	298	416	183	224	235	241	270	N.A.
East Germany	810	808	807	1,071	1,122	1,126	1,103	964	N.A.
Hungary	212	228	206	255	250	259	264	257	271
Poland	627	624	987	1,651	2,038	2,291	2,569	2,661	2,696
Romania	167	323	455	712	791	730	664	757	863
Other									
China	1,500	1,500	4,600	N.A.	N.A.	N.A.	11,700	13,800	30,040
Yugoslavia	244	504	277	140	109	187	172	135	126

^a Civilian radio receivers and radio-phonograph combinations.^b The data presented reflect the total market and include, prior to 1971, factory sales by manufacturers plus products imported directly for resale. Beginning 1971, data include products produced, imports by manufacturers for sale under their brand names, and products imported directly for resale.^c Receiving sets for home use only.

Table 141

Rubber Tire Production ^a

OECD

	1960	1965	1970	1975	1976	1977	1978	1979	1980
United States	123,059	172,532	193,971	191,999	190,898	237,049	227,818	212,227	163,458
Japan ^b	10,100	28,432	63,828	74,580	85,284	82,776	90,900	101,020	116,952
European Community									
France ^c	16,518	23,374	39,415	39,365	43,995	46,590	46,405	50,820	50,200
Italy ^b	N.A.	N.A.	22,383	25,716	28,692	53,292	52,944	53,640	52,600
United Kingdom ^b	15,904	23,394	30,840	26,008	29,871	28,911	26,665	26,895	26,346
West Germany ^b	14,745	25,566	37,548	32,016	37,596	38,232	37,524	38,568	38,052
Communist Countries									
USSR and Eastern Europe	25,300	38,700	52,300	76,900	80,900	84,900	87,200	89,100	90,500
USSR	17,225	26,434	34,620	51,480	54,515	57,400	59,018	59,981	60,100
Eastern Europe	8,070	12,300	17,700	25,400	26,400	27,500	28,200	29,200	30,400
Bulgaria	204	474	919	1,736	1,738	1,830	1,734	1,752	1,982
Czechoslovakia	2,387	2,995	3,933	5,945	5,983	6,341	6,439	6,581	6,714
East Germany	2,714	3,750	4,692	6,272	6,432	6,652	6,728	6,890	7,068
Hungary	551	921	1,090	1,013	834	814	773	750	870
Poland	1,862	2,818	4,516	6,644	7,207	7,457	7,852	8,500	8,743
Romania	351	1,329	2,508	3,786	4,194	4,372	4,690	4,691	5,060
Other									
China	N.A.	2,300	4,200	7,000	N.A.	7,700	9,400	12,000	11,000
Cuba	325	197	202	368	266	172	295	302	N.A.
Yugoslavia	391	955	2,763	5,110	5,644	8,126	8,862	9,161	9,584

^a Unless otherwise indicated, data are for all motor vehicle tires, excluding aircraft and bicycle tires.^b Excluding motorcycle tires.^c Excluding motorcycle, tractor, and agricultural tires.

Cement Production ^a

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD	186	250	318	336	349	364	386	390	384
United States	56.06	65.08	67.43	61.82	66.18	71.30	76.20	75.30	67.20
Canada	5.34	7.66	7.28	9.74	9.90	9.94	10.32	11.00	10.34
Japan	22.54	32.49	57.19	65.52	68.71	73.14	84.89	87.80	88.13
Spain	5.23	9.88	16.70	24.10	25.30	28.00	29.30	28.06	28.42
Turkey	2.04	3.24	6.37	10.86	12.34	13.85	15.34	13.79	14.20
European Community	77.4	107	132	129	131	130	132	136	135
Belgium	4.39	5.90	6.73	6.89	7.50	7.76	7.57	7.70	7.48
France	14.35	22.42	29.01	29.71	29.51	28.96	29.06	28.84	28.58
Italy	16.01	20.70	33.08	34.24	36.32	38.21	38.23	39.72	41.77
United Kingdom	13.50	16.98	17.17	16.90	15.78	15.46	15.91	16.14	14.81
West Germany	24.90	34.13	38.32	33.50	34.15	32.24	33.06	35.06	34.25
Other Countries									
Brazil	4.74	5.87	9.00	16.74	17.87	21.13	23.24	24.88	25.40
India	7.84	10.58	13.96	16.24	18.70	19.18	19.63	18.26	17.80
Mexico	3.09	4.30	7.27	11.70	12.70	13.09	14.11	15.14	16.26
Communist Countries									
USSR and Eastern Europe	68.4	104	137	180	186	193	195	190	192
USSR	45.52	72.39	95.25	122.06	124.25	127.06	126.96	123.02	125.00
Eastern Europe	22.9	31.8	42.1	58.1	61.9	65.6	68.2	66.8	67.1
Bulgaria	1.59	2.68	3.67	4.36	4.36	4.66	5.15	5.40	5.36
Czechoslovakia	5.05	5.71	7.40	9.30	9.55	9.75	10.20	10.26	10.55
East Germany	5.03	6.09	7.98	10.66	11.34	12.10	12.52	12.27	12.44
Hungary	1.57	2.38	2.77	3.76	4.30	4.62	4.76	4.85	4.66
Poland	6.60	9.57	12.18	18.54	19.80	21.30	21.65	19.18	18.44
Romania	3.05	5.41	8.13	11.52	12.55	13.12	13.90	14.82	15.61
Other									
China	12.00	16.28	26.60	47.10	49.30	55.65	65.24	73.90	79.86
Modern Plants	9.00	10.90	15.10	19.40	19.70	20.00	23.42	24.73	28.75
Small Plants	3.00	5.38	11.50	27.70	29.60	35.65	41.82	49.17	51.11
Cuba	0.80	0.80	0.74	2.08	2.50	2.65	2.71	2.61	N.A.
North Korea	2.30	2.40	4.00	5.70	4.80	6.00	6.60	7.99	N.A.
Yugoslavia	2.40	3.10	4.40	7.07	7.62	8.01	8.70	9.08	9.32

^a All types of hydraulic cements used in construction.

Lumber Production ^a

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD	176,000	199,000	214,000	198,000	226,000	235,000	238,000	242,000	N.A.
United States	77,697	84,236	81,524	75,717	86,081	89,448	88,859	87,453	75,239
Canada	18,988	25,541	26,734	27,287	36,811	41,696	44,785	44,815	N.A.
Japan	26,734	33,291	42,127	37,362	39,315	38,273	38,867	39,586	36,920
Australia	3,299	3,347	3,235	3,322	3,285	3,276	2,975	2,919	N.A.
Austria	5,004	4,534	5,426	4,940	5,987	6,246	5,975	6,549	N.A.
Finland	8,289	6,919	7,310	5,020	5,850	6,800	7,380	9,035	N.A.
Spain	1,077	1,918	2,250	2,224	2,554	2,188	2,405	2,961	N.A.
Sweden	8,620	10,266	12,246	10,890	11,298	11,150	10,877	11,197	N.A.
Turkey	736	1,355	2,307	2,460	2,944	3,142	3,150	3,150	N.A.
European Community	19,600	21,700	24,100	21,700	24,200	25,400	24,400	26,600	N.A.
France	7,454	8,049	9,263	8,271	8,787	9,327	9,025	9,210	N.A.
Italy	1,710	1,945	2,292	1,639	1,957	2,209	1,983	2,276	N.A.
West Germany	7,739	8,891	9,383	9,028	10,303	10,348	10,011	10,253	N.A.
Other Countries									
Brazil	5,700	5,661	8,035	10,128	11,243	12,643	13,337	14,070	N.A.
India	1,400	2,100	2,600	3,250	3,400	3,550	4,000	4,550	N.A.
Malaysia	1,395	1,859	3,110	3,817	5,217	5,589	5,147	5,147	N.A.
Communist Countries									
USSR and Eastern Europe	124,000	129,000	136,000	137,000	133,000	130,000	127,000	120,000	N.A.
USSR	105,600	111,000	116,400	116,200	113,000	109,500	106,300	100,000	N.A.
Eastern Europe	18,100	18,100	19,100	20,600	20,400	20,400	20,700	20,400	N.A.
Bulgaria	1,136	1,190	1,323	1,432	1,465	1,590	1,499	1,386	N.A.
Czechoslovakia	3,971	3,625	3,639	4,242	4,342	4,399	4,562	4,627	4,776
East Germany	2,826	1,749	1,819	2,051	2,037	2,058	2,069	2,085	N.A.
Hungary	383	457	555	693	770	687	757	735	781
Poland	5,882	6,051	6,471	7,541	7,515	7,426	7,334	6,906	N.A.
Romania	3,928	5,004	5,305	4,660	4,311	4,262	4,465	4,653	N.A.
Other									
China	N.A.	40,000	38,000	46,000	N.A.	50,000	52,000	54,000	54,000
Cuba	N.A.	74	28	56	41	68	73	75	N.A.
Yugoslavia	2,295	2,677	3,044	3,481	3,619	3,962	4,057	4,272	4,206

^a Excluding railroad cross-ties (sleepers).

Table 144

Newsprint Production

Thousand Metric Tons

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD	12,700	15,100	18,800	17,600	18,800	18,800	20,200	21,100	21,900
United States	1,818	1,978	3,035	3,153	3,199	3,192	3,418	3,685	4,239
Australia	90	95	173	196	205	208	208	208	222
Canada	6,068	7,003	7,996	7,056	8,088	8,160	8,808	8,710	8,626
Finland	781	1,213	1,305	1,248	1,008	984	1,128	1,321	1,345
New Zealand	91	199	214	219	275	276	277	260	N.A.
Norway	226	308	554	436	466	437	464	566	588
Sweden	582	679	1,030	1,188	1,140	1,116	1,260	1,483	1,534
European Community	2,030	2,090	2,170	1,510	1,570	1,540	1,610	1,740	1,830
France	551	450	430	256	260	265	286	282	317
Italy	259	379	311	240	263	234	263	268	271
United Kingdom	753	780	757	316	326	288	319	364	364
West Germany	230	216	408	482	502	539	522	598	593
Other Countries									
South Africa	0	54	160	200	215	244	212	225	N.A.
South Korea	27	45	102	145	155	199	183	180	214
Communist Countries									
USSR and Eastern Europe	678	1,050	1,420	1,660	1,730	1,740	1,800	1,800	N.A.
USSR	434	744	1,101	1,361	1,390	1,388	1,432	1,432	N.A.
Eastern Europe	244	303	319	300	343	347	368	371	N.A.
Czechoslovakia	34	78	81	77	79	79	73	74	70
East Germany	89	94	97	96	104	81	103	103	N.A.
Poland	77	79	88	83	83	89	89	91	91
Romania	44	52	53	44	77	98	103	103	N.A.
Other									
Cuba ^a	N.A.	N.A.	19	32	32	31	36	35	N.A.
Yugoslavia	28	46	75	85	85	96	96	84	52

^a Printing and writing paper.

Plywood Production

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD	12,400	19,800	26,200	25,400	29,100	30,800	30,500	31,900	N.A.
United States	7,910	12,811	14,078	14,579	16,726	17,981	17,056	18,200	16,000
Canada	1,000	1,702	1,851	2,051	2,442	2,660	2,807	2,510	2,200
Finland	414	545	706	415	491	464	549	639	639
Japan	1,286	2,627	6,922	6,168	7,136	7,476	8,041	8,400	N.A.
Spain	75	131	225	266	290	236	178	134	162
European Community	1,350	1,640	1,840	1,500	1,620	1,540	1,450	1,570	N.A.
France	390	477	643	551	573	568	509	559	560
Italy	150	300	420	400	420	380	350	410	N.A.
West Germany	660	670	569	400	449	443	445	444	432
Other Countries									
Brazil	98	220	342	660	695	698	722	762	N.A.
Malaysia	2	28	197	404	525	565	465	490	N.A.
Philippines	287	257	653	423	416	489	490	503	N.A.
Singapore	N.A.	32	215	334	380	348	482	482	N.A.
South Korea	29	215	847	1,436	1,671	2,289	2,560	2,338	N.A.
Communist Countries									
USSR and Eastern Europe	1,690	2,260	2,600	2,850	2,860	2,870	2,820	2,670	N.A.
USSR	1,354	1,756	2,045	2,196	2,174	2,178	2,122	1,988	N.A.
Eastern Europe	333	506	558	658	681	694	701	684	N.A.
Bulgaria	64	81	71	65	63	64	62	58	57
Czechoslovakia	46	55	57	113	122	120	128	135	N.A.
East Germany	60	67	73	78	85	90	95	82	N.A.
Hungary	22	20	12	5	4	4	4	3	N.A.
Poland	73	83	99	128	132	132	131	128	N.A.
Romania	68	200	246	269	275	284	281	278	N.A.
Other									
Yugoslavia	61	111	103	126	121	133	135	140	117

Agriculture

Transportation

Table 146

Million Metric Tons

Total Grain Production ^a

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD									
United States	181.26	183.46	186.72	248.66	257.43	263.77	273.08	298.76	263.64
Australia	10.81	9.68	12.86	17.73	17.43	14.38	25.93	23.13	16.66
Canada	25.39	30.56	26.47	35.23	43.13	40.57	39.79	34.11	39.11
Japan	20.18	18.24	17.00	17.61	15.76	17.47	16.45	15.91	13.18
Spain	7.27	8.86	10.30	14.20	12.76	13.94	16.33	13.82	18.47
Turkey	12.12	12.63	15.66	21.91	24.19	24.06	24.13	25.32	25.78
European Community	68.7	81.1	87.0	96.4	90.9	103	116	114	119
France	23.02	29.05	31.29	35.12	32.32	38.76	44.86	43.73	47.34
Italy	11.98	14.52	16.15	17.15	16.99	14.60	17.67	17.60	17.70
United Kingdom	9.46	13.62	13.01	13.82	13.17	16.63	17.20	17.35	19.14
West Germany	15.06	13.47	16.07	20.08	18.26	20.65	23.94	22.87	23.03
Other Countries									
Argentina	12.57	16.54	19.66	22.79	23.95	21.74	25.35	18.84	25.16
Bangladesh	14.57	15.82	16.86	19.28	17.87	19.72	19.65	18.82	22.15
Brazil	14.61	19.66	22.78	26.19	31.12	30.89	26.91	32.73	32.72
India	78.97	73.06	101.80	117.35	111.98	128.40	132.67	116.92	132.58
Indonesia	15.35	15.42	22.15	25.24	25.87	26.50	29.80	29.66	31.78
Mexico	7.36	11.32	14.99	16.62	16.47	17.95	16.73	14.35	16.22
Pakistan	6.24	4.46	11.75	12.82	13.95	14.80	14.45	16.00	16.61
Thailand	8.38	12.26	15.47	18.41	17.89	15.73	20.78	19.26	21.55
Communist Countries									
USSR and Eastern Europe	173	174	242	213	302	273	320	254	272
USSR ^b	125.56	121.06	186.80	140.12	223.76	195.73	237.39	179.18	189.20
Eastern Europe ^c	47.2	53.3	55.1	73.1	78.0	77.1	82.3	75.2	83.1
Bulgaria ^d	4.97	5.35	6.91	7.88	8.66	7.74	7.69	8.52	7.72
Czechoslovakia	4.84	5.23	7.20	9.28	9.17	10.31	10.95	9.18	10.82
East Germany	6.38	6.73	6.46	8.91	8.19	8.70	9.82	8.89	9.63
Hungary	6.90	7.41	7.62	12.19	11.32	12.28	13.31	11.94	13.75
Poland	14.30	16.01	16.25	19.56	20.86	19.42	21.54	17.34	18.33
Romania	9.83	12.60	10.64	15.27	19.79	18.61	18.98	19.34	22.88

Other

China ^e	140.60	194.50	242.90	284.00	286.30	282.75	304.75	332.12	318.22
Cuba ^f	0.41	0.08	0.31	0.36	0.35	0.35	0.36	0.32	N.A.
North Korea	2.66	3.15	3.50	5.40	5.60	6.00	6.00	6.30	6.30
Vietnam ^g	N.A.	N.A.	N.A.	11.50	13.60	12.90	12.90	13.70	13.70
Yugoslavia	10.93	10.58	11.61	15.01	16.20	16.56	13.91	15.63	15.66

^a Data are for the following products, where they are produced: barley, corn, oats, rice, rye, sorghum, and wheat.

^b Including miscellaneous grains and pulses. Measured in bunker weight, that is, gross output from the combine which includes excess moisture, unripe and damaged kernels, weed seeds, and other trash. For comparison with US or other country grain output, an average discount of 11 percent should be applied.

^c Including miscellaneous grains.

^d Including pulses.

^e Including soybeans, broad beans, and field peas. Tubers are included on a grain equivalent basis of 5 metric tons of tubers to 1 metric ton of grain.

^f Data reflect only rice production and government collections of corn; total production of grains is somewhat higher.

^g Including corn, manioc, sweet potatoes, and soybeans on a paddy-equivalent basis (1 ton paddy=0.63 tons of grain or rice).

Wheat Production

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD									
United States	36.87	35.80	36.78	57.76	58.31	55.42	48.93	58.30	64.28
Australia	7.45	7.07	7.89	11.98	11.82	9.37	18.09	16.12	10.60
Canada	14.11	17.67	9.02	17.08	23.59	19.86	21.14	17.18	19.13
Spain	3.52	4.72	4.13	4.30	4.44	4.06	4.81	4.12	5.90
Turkey	7.00	7.43	10.08	14.83	16.58	16.72	16.77	17.63	18.00
European Community	27.8	35.3	34.8	38.1	39.1	38.5	47.6	46.5	51.4
France	11.01	14.76	12.92	15.01	16.13	17.35	20.94	19.54	23.44
Italy	6.79	9.78	9.69	9.61	9.52	6.35	9.19	8.98	8.91
United Kingdom	3.04	4.17	4.24	4.49	4.74	5.27	6.61	7.18	8.20
West Germany	4.82	4.22	5.66	7.01	6.70	7.24	8.12	8.06	8.10
Other Countries									
Argentina	4.20	6.08	4.92	8.57	11.00	5.30	8.10	8.10	7.80
India	10.32	12.26	20.09	24.10	28.85	29.01	31.75	34.98	32.00
Iran	2.60	2.90	4.26	5.57	6.04	5.52	5.30	5.00	5.00
Pakistan	3.91	4.59	7.29	7.67	8.69	9.14	8.37	9.95	10.76
Communist Countries									
USSR and Eastern Europe	77.2	78.1	119	90.2	126	121	151	113	127
USSR ^a	64.30	59.69	99.73	66.22	96.88	92.20	120.82	90.21	98.10
Eastern Europe	12.9	18.4	19.0	24.0	28.6	28.6	30.2	22.8	29.0
Bulgaria	2.38	2.92	3.03	3.00	3.51	3.38	3.47	3.36	3.84
Czechoslovakia	1.50	1.99	3.17	4.20	4.81	5.21	5.60	3.74	5.40
East Germany	1.46	1.80	2.13	2.74	2.71	2.91	3.15	3.12	3.10
Hungary	1.77	2.45	2.72	4.01	5.15	5.32	5.68	3.70	6.05
Poland	2.30	3.34	4.61	5.21	5.74	5.31	6.03	4.19	4.17
Romania	3.45	5.94	3.36	4.84	6.71	6.43	6.25	4.67	6.42
Other									
China	N.A.	25.00	N.A.	39.00	50.00	N.A.	N.A.	62.75	54.16
Yugoslavia	3.57	3.46	3.79	4.40	5.98	5.60	5.36	4.51	5.09

^a Measured in bunker weight, that is, gross output from the combine which includes excess moisture, unripe and damaged kernels, weed seeds, and other trash. For comparison with US or other country grain output, an average discount of 11 percent should be applied.

Coarse Grains Production ^a

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD									
United States	141.91	144.20	146.14	185.07	193.88	203.84	218.10	234.49	192.74
Canada	11.28	12.89	17.45	18.15	19.54	20.70	18.65	16.93	19.98
Spain	3.39	3.80	5.79	9.52	7.92	9.50	11.12	9.27	12.14
Turkey	4.95	5.05	5.34	6.84	7.36	7.08	7.04	7.34	7.40
European Community	40.2	45.2	51.3	57.3	50.4	63.5	67.9	66.7	66.9
Denmark ^b	3.94	5.17	5.58	5.69	5.28	6.74	6.82	7.08	6.31
France	11.90	14.20	18.28	20.07	16.16	21.39	23.89	24.16	23.88
Italy	4.57	4.23	5.64	6.53	6.57	7.56	7.52	7.52	7.80
United Kingdom	6.42	9.44	8.77	9.33	8.43	11.36	10.59	10.18	10.94
West Germany	10.25	9.25	10.41	13.07	11.56	13.42	15.82	14.81	14.94
Other Countries									
Argentina	8.22	10.30	14.34	13.87	12.64	16.12	16.94	10.47	17.04
Brazil	9.10	11.44	14.29	16.62	18.14	19.83	16.62	20.14	20.46
India	16.64	14.87	18.31	19.90	20.08	20.38	20.09	18.12	19.50
Mexico	5.84	8.96	11.91	13.10	12.64	14.93	13.96	11.62	13.23
South Africa	5.76	5.06	6.67	9.70	7.74	10.16	8.85	11.52	10.23
Communist Countries									
USSR and Eastern Europe	95.3	95.6	122	121	174	150	166	139	142
USSR ^c ^d	61.08	60.79	85.78	71.88	124.87	101.28	114.46	86.58	88.30
Eastern Europe	34.2	34.8	35.9	48.9	49.2	48.3	52.0	52.2	54.0
Bulgaria	2.56	2.39	3.81	4.81	5.11	4.29	4.16	5.09	3.82
Czechoslovakia	3.34	3.24	4.03	5.08	4.36	5.10	5.35	5.44	5.42
East Germany ^c	4.92	4.93	4.32	6.17	5.48	5.78	6.67	5.77	6.53
Hungary	5.08	4.94	4.85	8.11	6.14	6.93	7.62	8.19	7.67
Poland ^c	12.00	12.67	11.64	14.35	15.12	14.11	15.51	13.15	14.16
Romania	6.33	6.61	7.21	10.36	13.04	12.13	12.67	14.61	16.40
Other									
Cuba ^c	0.10	0.03	0.02	0.02	0.02	0.01	0.01	0.01	N.A.
Yugoslavia	7.34	7.10	7.79	10.57	10.20	10.92	8.52	11.09	10.53

^a Data are for the following products, where they are produced: barley, corn,

oats, rye, and sorghum.

^b Excluding corn.

^c Unless otherwise indicated, data include miscellaneous grains.

^d Measured in bunker weight, that is, gross output from the combine, which includes excess moisture, unripe and damaged kernels, weed seeds, and other

trash. For comparison with US or other country grain output, an average discount of 11 percent should be applied.

^e Corn only. Data reflect government collections only. Total production is somewhat higher.

Table 149

Rice Production ^a

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD									
United States	2,477	3,460	3,801	5,825	5,246	4,501	6,040	5,969	6,625
Japan	16,072	15,515	15,861	17,101	15,292	17,000	15,736	14,948	12,198
European Community	725	607	907	1,050	939	716	988	1,130	1,000
Italy	622	509	819	1,010	907	693	956	1,100	980
Other Countries									
Bangladesh	14,522	15,751	16,733	19,143	17,628	19,441	19,294	18,318	21,321
Brazil	5,392	5,802	5,394	7,782	9,757	8,994	7,600	9,700	10,000
Burma	6,850	8,258	8,162	9,208	9,319	9,462	9,485	8,970	10,360
India	52,011	45,982	63,401	73,352	63,052	79,006	80,824	63,814	81,081
Indonesia	14,953	15,063	19,324	22,340	23,301	23,356	25,772	26,350	28,676
South Korea	4,151	4,770	5,471	6,485	7,202	8,291	7,361	7,729	5,000
Thailand	9,508	11,164	13,570	15,300	15,068	13,921	17,500	15,700	18,000
Communist Countries									
USSR and Eastern Europe	313	683	1,460	2,210	2,110	2,370	2,250	2,570	2,940
USSR	187	583	1,279	2,009	2,001	2,220	2,110	2,394	2,800
Eastern Europe	126	100	176	205	110	150	142	174	145
Bulgaria	32	33	66	68	41	68	61	73	60
Hungary	45	21	45	69	32	35	23	41	25
Romania	49	46	65	68	37	47	58	60	60
Other									
China	N.A.	N.A.	N.A.	N.A.	125,000	129,000	136,900	143,700	139,255
Cuba ^b	306	50	291	338	335	334	344	312	N.A.
Vietnam ^c	4,212	4,600	4,500	4,500	12,100	10,900	10,000	10,700	11,100
Yugoslavia	22	25	32	37	23	36	34	34	40

^a Rough, or paddy, rice. Data refer to crops harvested in the last half of the year stated, combined with crops harvested in the first half of the following year.

^b Milled rice. Data reflect government collection only.

^c Prior to 1976, data for North Vietnam.

Table 150

Million Metric Tons

Potato Production

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD	97.2	82.4	84.6	68.0	68.1	77.5	76.4	72.8	69.2
United States	11.68	13.14	14.78	14.62	16.22	16.08	16.57	15.80	13.65
Austria	3.81	2.54	2.70	1.58	1.75	1.35	1.40	1.49	1.36
Canada	2.06	2.11	2.30	2.11	2.34	2.49	2.50	2.76	2.52
Japan	3.59	4.06	3.62	3.26	3.74	3.52	3.32	3.38	3.36
Spain	4.62	4.00	5.30	5.34	5.66	5.88	5.32	5.40	6.07
European Community	61.3	47.5	46.5	32.9	29.3	38.8	37.9	34.7	32.9
France	15.89	11.07	8.90	6.86	4.33	7.80	7.47	7.14	7.21
Italy	3.82	3.55	3.67	2.90	2.94	3.08	2.80	2.96	2.80
Netherlands	3.97	3.24	5.65	4.74	4.78	5.75	6.23	5.94	6.08
United Kingdom	7.27	7.58	7.82	4.55	4.79	6.62	7.33	6.48	6.88
West Germany	24.54	18.09	16.25	10.85	9.81	11.37	10.51	8.75	6.69
Other Countries									
Argentina	2.07	2.49	2.34	1.35	1.53	1.77	1.59	1.69	1.68
India	2.75	3.60	3.91	6.22	7.31	7.17	8.15	9.00	10.50
Communist Countries									
USSR and Eastern Europe	149	152	169	151	152	145	154	163	111
USSR	84.37	88.68	96.78	88.70	85.10	83.65	86.12	90.96	66.90
Eastern Europe	64.3	63.4	72.4	62.0	67.2	61.3	67.8	71.6	43.8
Bulgaria	0.48	0.28	0.37	0.32	0.35	0.38	0.39	0.42	0.32
Czechoslovakia	5.09	3.68	4.79	3.56	4.21	3.76	4.00	3.73	2.71
East Germany	14.82	12.86	13.05	7.67	6.82	10.31	10.78	12.24	9.30
Hungary	3.00	1.76	1.81	1.27	1.09	1.33	1.52	1.09	0.95
Poland	37.90	42.66	50.30	46.43	49.95	41.32	46.65	49.57	26.39
Romania	3.01	2.19	2.06	2.72	4.79	4.21	4.47	4.56	4.14
Other									
China	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	28.00	28.00
Cuba ^a	0.02	0.08	0.08	0.12	0.15	0.14	0.17	0.17	N.A.
Yugoslavia	3.27	2.38	2.96	2.39	2.83	3.03	2.50	2.72	2.42

^a Data reflect government collections only; the total production is considerably higher.

Table 151

Thousand Metric Tons

Sugar Production ^a

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD									
United States ^b	3,637	4,871	5,327	5,680	6,163	5,523	4,928	5,217	5,229
Australia ^c	1,441	2,073	2,507	2,930	3,395	3,452	2,978	2,961	3,415
European Community	7,630	7,740	8,580	10,000	10,300	12,000	12,200	12,700	12,500
France	2,267	2,483	2,580	2,981	2,721	3,905	3,719	3,946	4,026
Italy	998	1,242	1,199	1,429	1,758	1,426	1,710	1,793	1,954
United Kingdom	860	967	925	724	657	894	979	1,101	1,110
West Germany	1,877	1,634	2,100	2,571	2,844	3,200	3,119	3,214	2,914
Other Countries ^c									
Brazil	3,319	4,614	5,019	6,299	7,236	8,759	7,913	7,362	8,270
India	2,814	3,493	4,634	5,048	5,033	5,019	7,103	6,080	4,546
Mexico	1,530	2,120	2,402	2,636	2,710	2,790	3,131	3,095	2,832
Philippines	1,398	1,659	1,980	2,672	2,984	2,624	2,273	2,390	2,332
South Africa	952	1,014	1,649	1,968	2,113	2,369	2,256	2,143	1,780
Communist Countries									
USSR and Eastern Europe ^d	11,100	16,200	15,300	16,100	14,600	18,200	18,400	16,600	14,900
USSR	6,916	11,997	11,110	11,285	10,053	13,083	13,268	11,573	10,978
Eastern Europe	4,210	4,240	4,160	4,800	4,580	5,150	5,130	4,980	3,880
Bulgaria	186	342	403	343	393	391	422	416	215
Czechoslovakia	958	874	951	913	684	939	986	1,020	841
East Germany	739	618	587	793	725	758	814	855	750
Hungary	414	465	304	335	395	476	539	541	443
Poland	1,484	1,505	1,509	1,857	1,773	1,813	1,763	1,582	1,128
Romania	425	437	410	561	610	775	603	571	500
Other									
China	N.A.	N.A.	N.A.	N.A.	N.A.	1,816	2,267	2,500	2,570
Cuba ^e	5,942	6,156	8,538	6,314	6,156	6,485	7,350	7,992	N.A.
Yugoslavia	243	363	385	571	627	725	755	801	737

^a Unless otherwise indicated, data are for beet sugar produced in the calendar year. Data are given in terms of the raw value of centrifugal sugar. Refined sugar is equal to approximately 92 percent of raw sugar weight. Centrifugal, as distinguished from noncentrifugal, sugar includes cane and beet sugar produced by the centrifugal process and is the principal type of sugar moving in international trade.

^b Including cane sugar; excluding data for Puerto Rico.

^c Cane sugar only.

^d Including raw cane sugar imported for refining.

^e Raw cane sugar of 96° polarization. Data are for crop years ending 30 June of the stated year.

Table 152

Thousand Metric Tons

Fish Catch ^a

	1960	1965	1970	1975	1976	1977	1978	1979
OECD								
United States	2,815	2,696	2,810	2,842	3,050	2,980	3,418	3,511
Canada	934	1,262	1,334	993	1,102	1,235	1,366	1,332
Iceland	593	1,199	734	995	986	1,374	1,567	1,645
Japan	6,207	6,929	8,825	9,895	9,994	10,123	10,184	9,966
Norway	1,543	2,312	2,906	2,482	3,361	3,402	2,587	2,652
Spain	970	1,355	1,532	1,512	1,469	1,389	1,373	1,205
European Community	3,580	4,110	4,510	4,840	5,010	4,800	4,830	4,610
Denmark	581	841	1,226	1,767	1,912	1,806	1,740	1,738
France	734	768	764	784	787	744	777	732
United Kingdom	924	1,047	1,076	954	1,013	983	1,016	890
West Germany	674	633	613	442	454	432	412	356
Other Countries								
Chile	340	708	1,200	900	1,379	1,319	1,929	2,633
India	1,161	1,331	1,756	2,266	2,174	2,312	2,306	2,343
Indonesia	761	1,102	1,228	1,382	1,479	1,568	1,642	1,732
Peru	3,727	7,632	12,535	3,448	4,344	2,537	3,369	3,682
Philippines	466	686	1,031	1,443	1,393	1,509	1,495	1,476
Thailand	221	627	1,444	1,553	1,659	2,188	2,095	1,716
Communist Countries								
USSR and Eastern Europe	3,890	6,400	8,810	11,700	11,800	10,900	10,400	10,600
USSR ^b	3,541	5,774	7,828	10,357	10,478	9,651	9,230	9,359
Eastern Europe	349	624	978	1,350	1,300	1,250	1,140	1,230
Bulgaria	8	17	84	151	160	138	150	136
Czechoslovakia	9	11	13	17	17	18	17	17
East Germany	114	229	320	330	282	210	201	227
Hungary	15	20	26	31	32	35	33	33
Poland	187	301	473	679	689	703	594	632
Romania	16	46	62	139	124	149	140	182
Other								
Cuba	31	40	106	143	194	185	213	148
Yugoslavia	31	42	46	57	59	61	63	57

^a Unless otherwise indicated, data are in terms of live weight for all species of fish and seaweed, crustaceans, and mollusks but exclude aquatic mammals.

^b Including aquatic mammals.

Table 153

Million Head

Cattle Numbers ^a

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD									
United States	96.24	109.00	112.37	132.03	127.98	122.81	116.38	110.86	111.19
Australia	16.50	18.82	22.16	32.79	33.43	31.53	29.33	27.11	26.21
Canada	10.39	12.13	11.63	14.01	14.05	13.71	12.87	12.33	12.40
New Zealand	5.99	6.80	8.78	9.65	9.78	8.74	8.42	8.02	8.15
Turkey ^b	14.30	14.41	14.37	14.41	14.80	15.16	15.55	15.96	16.23
European Community	65.6	68.0	72.9	79.3	77.5	77.1	77.2	77.8	78.0
France	18.74	20.24	21.72	24.33	23.64	23.33	23.36	23.51	23.55
Italy ^b	9.40	9.23	9.61	8.24	8.53	8.81	8.57	8.72	8.81
United Kingdom	11.48	11.69	12.30	14.84	13.92	13.67	13.52	13.49	13.32
West Germany	12.48	13.05	14.29	14.43	14.49	14.50	14.76	15.01	15.05
Other Countries									
Argentina	43.52	46.79	52.26	58.70	61.47	61.89	61.83	59.98	58.74
Brazil ^b	72.89	84.25	78.45	91.00	92.00	91.00	89.00	90.00	93.00
Colombia	15.00	17.00	20.20	23.22	23.82	24.34	25.22	26.16	27.20
Ethiopia	22.45	25.42	26.23	25.88	25.96	25.66	25.86	25.90	26.06
Mexico	17.41	21.08	24.88	28.40	28.90	29.33	29.70	29.30	29.50
South Africa	12.30	12.44	10.13	12.33	12.77	13.06	13.03	13.17	12.58
Communist Countries									
USSR and Eastern Europe	99.4	114	124	142	144	143	146	148	149
USSR	74.16	87.17	95.16	109.12	111.03	110.35	112.69	114.09	115.10
Eastern Europe	25.2	27.2	28.5	33.0	32.7	33.1	33.4	33.7	33.4
Bulgaria	1.28	1.47	1.26	1.55	1.66	1.72	1.74	1.76	1.79
Czechoslovakia	4.30	4.44	4.29	4.57	4.56	4.65	4.76	4.89	4.92
East Germany ^c	4.46	4.68	5.17	5.58	5.53	5.47	5.55	5.57	5.60
Hungary	2.00	1.94	1.93	2.02	1.90	1.89	1.95	1.97	1.95
Poland ^c	8.70	9.95	10.84	13.25	12.88	13.02	13.12	13.04	12.65
Romania	4.45	4.76	5.04	5.98	6.13	6.35	6.31	6.51	6.51
Other									
China ^d	N.A.	84.00	N.A.	N.A.	N.A.	94.00	94.00	95.00	95.00
Yugoslavia	5.25	5.16	4.98	5.81	5.69	5.58	5.50	5.49	5.44

^a Unless otherwise indicated, data are as of the beginning of the year.^b Including buffalo.^c As of 30 June.^d Cattle, buffalo, oxen, horses, and camels.

Table 154

Million Head

Hog Numbers ^a

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD									
United States	59.03	56.11	57.05	54.69	49.27	54.93	56.54	60.36	67.35
Canada	6.05	5.60	6.56	5.90	5.69	6.16	6.65	8.01	9.10
Japan	1.92	3.98	6.34	7.68	7.46	8.13	8.78	9.49	10.00
Spain	6.03	4.02	6.92	7.86	8.58	9.86	10.50	11.00	11.50
European Community	44.9	55.4	65.2	69.7	68.1	70.4	72.7	75.6	75.5
Denmark	6.20	8.20	8.35	8.05	7.58	7.90	8.23	9.22	9.53
France	8.36	9.04	10.46	12.03	11.45	11.51	11.55	11.29	11.10
Italy	4.15	5.41	9.22	8.81	8.89	9.10	9.42	8.92	8.81
Netherlands	2.82	3.69	5.47	7.14	7.06	7.31	8.35	9.37	9.75
United Kingdom	6.01	7.94	8.13	8.84	7.67	8.15	7.73	7.96	7.79
West Germany	14.87	18.15	19.32	20.23	19.80	20.59	21.39	22.64	22.37
Other Countries									
Brazil	46.82	58.70	35.60	35.20	36.00	36.80	37.60	36.00	36.80
Mexico	6.08	8.53	10.30	11.70	12.00	12.30	12.58	12.72	12.75
Philippines	6.57	6.94	6.46	6.60	6.49	5.70	6.91	7.23	7.59
Communist Countries									
USSR and Eastern Europe	92.6	97.2	97.9	132	115	123	132	136	138
USSR	53.37	52.84	56.06	72.27	57.90	63.06	70.51	73.48	73.90
Eastern Europe	39.2	44.4	41.9	59.8	56.7	59.7	62.0	62.7	64.0
Bulgaria	2.27	2.61	1.97	3.42	3.89	3.46	3.40	3.77	3.83
Czechoslovakia	5.69	6.14	5.53	6.72	6.68	6.82	7.51	7.60	7.51
East Germany ^b	8.28	8.76	9.24	11.52	11.50	11.29	11.76	11.73	12.13
Hungary	6.07	7.04	5.70	8.29	6.95	7.85	7.85	8.01	8.36
Poland ^c	12.62	13.78	13.45	21.31	18.85	20.05	21.72	21.22	21.33
Romania	4.30	6.03	5.97	8.57	8.81	10.19	9.74	10.34	10.89
Other									
China	N.A.	168.00	226.00	N.A.	N.A.	291.78	301.29	319.70	305.43
Cuba ^d	N.A.	1.75	0.26	0.60	0.68	0.66	0.70	0.72	N.A.
Yugoslavia	6.21	6.99	5.54	7.68	7.54	7.32	8.45	7.75	7.50

^a Unless otherwise indicated, data are as of the beginning of the year.^b As of 30 November of the previous year.^c As of 30 June.^d State sector only.

Table 155

Meat Production ^a

	1960	1965	1970	1975	1976	1977	1978 ^b	1979 ^b	1980 ^b
OECD									
United States	12,808	14,306	22,548	22,986	24,925	25,131	25,248	25,650	26,322
Australia	1,360	1,668	2,166	2,469	2,825	2,999	3,143	2,975	2,657
Canada	1,100	1,340	2,053	2,156	2,284	2,369	2,300	2,385	2,535
Japan	318 ^c	589 ^c	1,398	2,072	2,188	2,301	2,546	2,785	2,928
New Zealand	746	781	1,009	1,059	1,190	1,113	1,186	1,063	1,101
Spain	554 ^c	599 ^c	1,255	1,853	1,907	2,041	2,091	2,212	2,154
European Community	10,200	11,500	16,100	18,200	18,500	18,600	19,400	20,500	21,000
Denmark	760 ^c	901 ^c	1,040	1,080	1,074	1,104	1,148	1,262	1,425
France	2,646 ^c	2,836 ^c	3,814	4,357	4,535	4,403	4,547	4,913	5,053
Italy	1,011 ^c	1,083 ^c	2,054	2,360	2,485	2,668	3,014	3,187	3,229
Netherlands	674 ^c	772 ^c	1,396	1,747	1,793	1,839	1,742	1,873	1,956
United Kingdom	1,719	2,018	2,604	2,852	2,802	2,814	2,863	2,974	2,938
West Germany	2,694 ^c	3,074 ^c	3,749	3,956	4,092	4,084	4,403	4,570	4,603
Other Countries									
Argentina	2,277 ^c	2,445 ^c	3,188	3,103	3,473	3,560	3,843	3,840	3,650
Brazil	1,767 ^c	2,039 ^c	3,015	3,569	3,664	3,996	4,089	4,168	4,494
Mexico	586 ^c	750 ^c	1,024	1,260	1,285	1,434	1,468	1,451	1,482
Communist Countries									
USSR and Eastern Europe ^d	13,900	16,100	19,200	24,600	23,100	24,400	25,800	26,100	25,500
USSR	8,682	9,956	12,278	14,968	13,583	14,722	15,501	15,481	15,100
Eastern Europe	5,260	6,170	6,920	9,660	9,510	9,710	10,300	10,600	10,400
Bulgaria	307	464	476	657	732	704	726	782	786
Czechoslovakia	802	978	1,098	1,349	1,322	1,383	1,529	1,467	1,449
East Germany	1,021	1,126	1,271	1,837	1,808	1,767	1,809	1,824	1,829
Hungary	816	929	1,040	1,422	1,324	1,467	1,525	1,522	1,530
Poland	1,751	2,012	2,182	3,062	2,896	2,883	3,132	3,257	3,094
Romania	561	657	857	1,328	1,426	1,503	1,533	1,760	1,714
Other									
Cuba ^e	N.A.	N.A.	112	105	128	142	138	142	N.A.
Yugoslavia ^d	824	972	1,059	1,329	1,309	1,425	1,570	1,555	1,530

^a Data are on a carcass weight, bone-in basis, and are for beef, veal, buffalo, pork, mutton, lamb, goat, and poultry where they are produced. Unless otherwise indicated, data exclude horsemeat, rabbit, game, edible offal, and lard.

^b Non-Communist country data include meat from animals imported for slaughter.

^c Including horsemeat.

^d Data are on a slaughter weight, bone-in basis, and include horsemeat, rabbit, game, edible offal, and slaughter fats in addition to the meats listed in footnote a

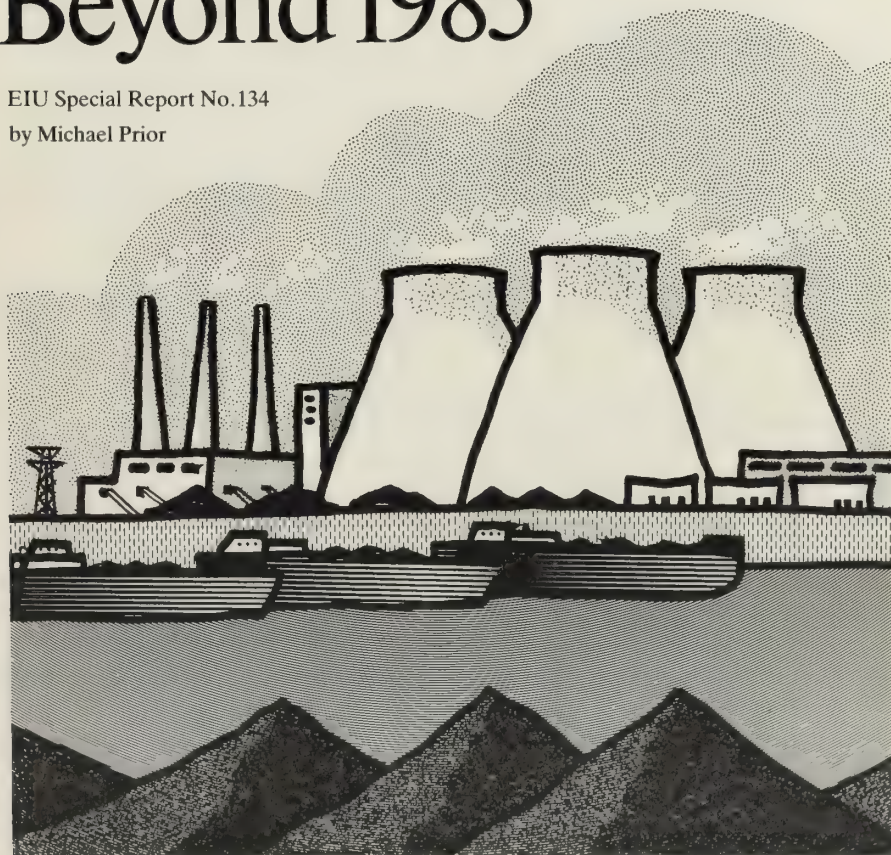
above. Slaughter weight is roughly 3 percent less than carcass weight because it excludes kidney and leaf fat. As a result of this broader coverage, the meat production data for the USSR and Eastern Europe are above the level attained if the coverage was limited to that shown for other countries. ¹

^e Data are for deboned beef, pig bellies, and fresh poultry for state production only.

Steam Coal and Energy Needs in Western Europe Beyond 1985

EIU Special Report No. 134

by Michael Prior



Steam Coal and Energy Needs in Western Europe Beyond 1985

In 1978 the EIU published a **Special Report** on *Steam Coal and Energy Needs in Western Europe to 1985*. It created something of a stir, mainly because it took a much less optimistic view than other studies of demand prospects in steam coal's biggest import market at that time. As events turned out, the study's pessimism has been more than justified – partly, it must be admitted, because of the unpredicted second, and bigger, oil price shock of 1979–80, which had an even more depressing effect on OECD economies and their energy needs than the first oil shock of 1973.

As a result the 1978 study's forecasts and conclusions are out of date and the EIU decided that a completely new study of steam coal needs in Western Europe would be timely. Like the 1978 study, its methodology is a “bottom-up” one based on a detailed appraisal of investment in coal burning plant in power generation and in industry, rather than a “top-down” alternative starting with assumptions about economic and energy demand trends. In each country, coal usage is forecast in the context of existing usage (it is important to note that countries without a tradition of coal use tend to be tougher on environmental controls than others), planning intentions and investment and taking into account, to a greater extent than the 1978 study, the transport infrastructure.

And like the 1978 study, this **EIU Special Report** takes a more pessimistic view of trends in Western European import needs for steam coal than most other recent studies. Especially in industrial applications, where a significant proportion of a meagre flow of investment funds into coal-fired plant will be to replace old with new and more efficient plant – which will actually use less coal. However, in some countries – Spain and Italy, for example – prospects of significant growth in import demand are foreseen.

THE AUTHOR

The Report is written by **Michael Prior**, an independent energy consultant specialising in coal and natural gas (ex IEA Coal Research) and edited by **Alec Gordon**, the author of the 1978 **EIU Special Report**, who is now the EIU's Editor for Energy publications.

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Table 156

Thousand Metric Tons

Milk Production ^a

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD									
United States	53,702	56,324	53,268	52,314	54,553	55,635	55,094	55,978	58,253
Australia	6,355	6,969	7,712	6,677	6,421	5,933	5,642	5,833	5,625
Canada	8,385	8,328	8,272	7,751	7,693	7,743	7,532	7,550	7,920
Japan	1,887	3,221	4,760	4,963	5,265	5,735	6,125	6,465	6,502
New Zealand	5,318	6,232	5,907	6,142	6,604	6,635	6,069	6,486	6,833
European Community	83,500	88,400	91,100	97,900	99,600	101,000	105,000	107,000	110,000
Denmark	5,399	5,367	4,630	4,918	5,045	5,138	5,324	5,225	5,120
France	22,652	26,771	27,245	29,686	29,536	30,215	30,850	31,990	33,600
Italy	9,648	9,184	8,936	9,385	9,572	9,110	9,360	9,845	10,000
Netherlands	6,838	7,142	8,239	10,221	10,490	10,612	11,367	11,587	11,810
United Kingdom	12,670	11,386	12,374	13,934	14,419	15,179	15,877	15,915	16,175
West Germany	19,250	21,253	21,856	21,604	22,165	22,523	23,291	23,907	24,850
Other Countries									
Argentina	4,530	4,667	4,196	5,650	5,799	5,303	5,208	5,344	5,550
Brazil	5,045	6,194	7,722	9,970	10,667	9,539	10,500	10,100	10,200
India	N.A.	N.A.	7,630	9,750	9,800	9,800	10,100	10,500	11,500
Mexico	2,473	4,121	3,053	4,980	5,344	6,374	6,670	6,795	6,750
Spain	N.A.	3,993	4,456	5,138	5,374	5,354	5,560	5,661	5,816
Communist Countries									
USSR and Eastern Europe	88,500	101,000	116,000	127,000	127,000	133,000	134,000	133,000	130,000
USSR ^b	61,718	72,563	83,016	90,804	89,675	94,929	94,677	93,341	90,700
Eastern Europe	26,800	28,500	32,500	36,700	37,200	38,300	39,300	39,400	39,800
Bulgaria	745	1,000	1,252	1,436	1,458	1,525	1,600	1,804	1,818
Czechoslovakia	3,830	3,924	4,795	5,463	5,401	5,530	5,642	5,663	5,800
East Germany ^c	5,730	6,371	7,091	8,095	8,092	7,939	8,226	8,198	8,267
Hungary	1,619	1,510	1,682	1,822	1,931	2,142	2,336	2,457	2,430
Poland	12,501	13,345	14,950	16,377	16,521	16,908	17,122	16,959	17,085
Romania ^d	2,358	2,304	2,755	3,458	3,827	4,230	4,368	4,365	4,390
Other									
Cuba ^e	N.A.	N.A.	475	611	621	642	652	654	N.A.
Yugoslavia	2,283	2,303	2,567	3,654	3,846	4,073	4,132	4,286	4,350

^a Whole milk from cows, unless otherwise indicated.^b Including milk from sheep, goats, camels, and mares.^c In terms of 3.5 percent butterfat content.^d Including milk from buffaloes.^e State production of pasteurized and raw milk.

Table 157

Wool Production ^a

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD									
United States	146.20	109.30	85.02	58.31	53.35	49.92	46.36	45.49	45.20
Australia	737.20	754.23	923.40	793.48	754.27	702.73	677.02	705.79	720.00
New Zealand	266.50	315.16	333.80	294.10	311.76	302.54	310.80	320.60	360.00
Turkey	43.50	43.00	47.15	52.32	53.92	55.27	55.80	56.00	54.80
Spain	35.10	36.40	33.81	22.15	21.56	21.05	22.19	28.00	28.00
European Community	116	117	93.3	91.9	96.9	94.4	99.1	98.4	98.4
France	29.53	25.40	20.35	15.70	22.10	22.20	22.20	22.20	22.20
Italy	13.38	15.80	11.70	11.60	11.90	12.10	12.10	12.10	12.10
United Kingdom	54.98	58.65	46.30	49.30	47.53	45.81	49.08	48.70	48.70
Other Countries									
Afghanistan	N.A.	N.A.	27.00	25.00	25.40	25.80	26.50	27.00	27.60
Argentina	221.10	220.60	170.00	160.00	156.00	164.00	170.80	172.10	172.00
Brazil	24.10	35.47	31.71	29.10	30.59	27.00	30.00	31.50	31.70
Chile	23.90	25.49	25.50	18.80	18.50	18.81	19.12	19.74	19.70
India	34.11	35.02	36.00	31.00	32.10	34.00	34.50	35.00	35.60
Iran	29.60	34.30	19.60	17.50	16.00	15.70	17.00	17.30	17.60
Iraq	12.70	12.70	15.85	17.70	18.00	18.20	18.40	18.60	18.80
Morocco	15.00	14.00	15.50	20.00	21.00	21.00	21.50	22.00	22.20
Pakistan	14.70	17.00	19.50	28.00	30.74	33.35	36.19	39.29	42.60
South Africa ^b	143.80	159.30	145.60	108.20	107.30	110.50	102.88	98.80	97.60
Uruguay	82.50	84.00	79.65	54.24	62.24	62.55	70.00	83.00	93.00
Communist Countries									
USSR and Eastern Europe	427	436	507	563	535	564	576	585	576
USSR	356.80	356.90	418.90	466.60	435.50	459.00	467.00	472.30	461.70
Eastern Europe	70.5	78.9	88.1	96.7	99.2	105	109	113	114
Bulgaria	21.04	25.80	28.81	34.01	33.84	34.05	34.30	35.10	35.40
Czechoslovakia ^c	2.50	2.03	3.99	3.60	3.60	3.80	4.00	4.10	4.20
East Germany	7.90	8.10	6.90	9.70	10.60	10.40	10.98	11.30	11.50
Hungary	8.20	10.06	9.78	8.39	8.57	9.88	10.81	11.42	12.01
Poland	9.04	7.50	8.94	9.45	10.56	12.32	12.80	13.60	13.60
Romania	21.85	25.41	29.72	31.53	32.02	34.70	35.90	37.30	37.50
Other									
Yugoslavia	13.55	12.56	11.95	10.66	9.90	9.66	10.22	11.00	11.74

^a Raw wool (grease basis) from sheep, which includes both shorn and pulled wool

^b Including data for Lesotho and Namibia.

^c Purchases.

together with the wool element of "wooled sheepskins."

Table 158

Thousand Metric Tons

Ginned Cotton Production

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD	3,420	3,770	2,800	2,490	2,960	3,950	3,080	3,890	3,160
United States	3,107	3,260	2,219	1,808	2,303	3,133	2,364	3,185	2,428
Greece	63	75	110	130	119	153	153	106	116
Turkey	169	325	400	480	475	575	477	477	484
Other Countries									
Argentina	124	104	85	140	160	220	173	145	130
Brazil	425	542	594	390	544	461	553	564	568
Colombia	70	65	117	121	149	140	81	125	112
Egypt	478	521	509	382	396	399	438	484	528
Guatemala	21	90	57	102	138	141	165	149	136
India	1,008	997	954	1,160	1,073	1,232	1,349	1,366	1,336
Iran	99	152	154	139	156	178	132	100	80
Mexico	457	567	312	197	227	353	340	328	347
Nicaragua	33	111	78	109	118	121	112	22	76
Pakistan	304	417	542	514	435	575	473	752	672
Sudan	114	164	245	108	159	198	139	114	101
Syria	111	180	150	158	156	151	144	128	119
Communist Countries									
USSR and Eastern Europe	1,480	1,940	2,360	2,690	2,820	2,980	2,900	3,120	3,390
USSR	1,458	1,925	2,343	2,674	2,815	2,978	2,890	3,115	3,386
Eastern Europe ^a	23	16	18	12	1	4	5	6	6
Bulgaria	23	16	18	11	1	4	5	6	6
Romania	N.A.	N.A.	N.A.	1	Negl.	Negl.	Negl.	Negl.	Negl.
Other									
China	900	1,650	2,000	2,400	2,300	2,049	2,167	2,207	2,707
Yugoslavia ^a	2	2	4	2	2	1	1	Negl.	Negl.

^a Data are for the crop year beginning 1 August of the stated year.

Table 159

Kilograms per Hectare of Arable Land ^a

Mineral Fertilizer Consumption, Nutrient Content

	1960/61	1965/66	1970/71	1975/76	1976/77	1977/78	1978/79	1979/80
OECD ^b								
United States	38.9	63.0	80.9	90.0	106.5	99.5	106.10	108.0
Australia	21.2	29.2	22.2	15.9	23.5	24.5	27.7	30.0
Canada	8.6	16.3	18.5	29.8	31.8	34.3	40.9	41.0
Japan	N.A.	332.2	372.6	319.3	430.5	428.1	449.6	474.0
Spain	31.6	38.0	59.3	69.3	82.0	68.5	78.7	82.0
Turkey	1.5	5.7	15.7	29.8	46.3	46.5	51.8	52.0
European Community								
Belgium-Luxembourg	N.A.	N.A.	564.8	540.4	517.8	532.8	529.6	514.0
Denmark	151.1	182.3	223.4	239.4	243.6	261.1	258.7	262.0
France	102.4	150.9	243.5	246.7	269.1	277.6	297.3	312.0
Ireland	124.8	172.1	365.0	410.7	489.7	619.4	681.4	603.0
Italy	51.5	70.7	89.6	121.0	105.4	140.9	180.5	190.0
Netherlands	456.1	580.8	749.3	750.7	758.0	737.3	743.3	751.0
United Kingdom	183.3	206.5	259.9	262.9	273.8	287.6	296.1	319.0
West Germany	266.2	348.8	399.6	385.5	423.1	422.0	428.6	448.0
Other Countries								
Brazil	N.A.	8.2	28.3	52.3	63.0	77.4	79.1	87.0
India	2.3	4.7	13.2	16.5	20.2	25.3	26.7	30.0
Communist Countries								
USSR and Eastern Europe								
USSR ^{c d}	11.2	26.5	44.3	74.3	76.4	77.6	79.2	74.7
Eastern Europe ^b								
Bulgaria	33.8	79.1	141.1	156.5	152.0	171.9	171.9	191.0
Czechoslovakia ^e	91.4	166.3	240.4	314.7	319.7	310.7	333.4	333.0
East Germany	197.4	262.2	310.7	361.5	352.9	332.0	331.4	325.0
Hungary	29.5	63.3	149.7	276.3	253.7	278.7	284.8	278.0
Poland	49.0	83.1	167.8	242.4	239.0	241.0	246.2	225.0
Romania	8.1	25.4	56.5	114.0	108.8	107.1	140.4	136.0

Other

Albania	N.A.	15.3	78.8	100.6	109.1	118.3	126.0	136.0
China ^e	4.6	13.7	27.5	44.7	40.3	58.9	73.0	127.8
North Korea	N.A.	81.5	165.0	N.A.	N.A.	N.A.	N.A.	N.A.
Yugoslavia	27.9	54.8	77.0	89.6	92.2	100.9	107.9	110.0

^a Including land under temporary crops, gardens, fallow or idle land, and permanent crops such as orchards and vineyards, unless otherwise indicated.

^b Data are "fertilizer years"—in general, the year beginning 1 July.

^c Including phosphate rock; excluding livestock phosphates. Data indicate the quantity supplied to agriculture.

^d Arable land is total area less pasture and hayland.

^e Sown area is used because of extensive multiple cropping.

Table 160

Nitrogen Fertilizer Consumption, Nutrient Content

	1960/61	1965/66	1970/71	1975/76	1976/77	1977/78	1978/79	1979/80
OECD ^a								
United States	2,749	4,832	7,379	9,445	9,659	9,040	9,720	10,341
Canada	91	218	292	556	599	706	835	807
Japan	753	787	872	653	702	716	723	777
Spain	275	385	578	722	830	788	871	908
Turkey	25	72	243	482	591	666	774	770
European Community	2,450	3,580	4,940	5,830	6,080	6,390	6,880	7,320
France	565	871	1,453	1,708	1,815	1,832	1,978	2,135
Italy	323	462	594	724	700	817	1,043	1,107
United Kingdom	463	690	801	1,045	1,110	1,177	1,222	1,314
West Germany	618	874	1,131	1,228	1,323	1,325	1,354	1,478
Other Countries ^a								
India	296	541	1,487	1,909	2,352	2,813	2,986	3,452
Mexico	155	264	438	732	830	794	752	806
Pakistan	N.A.	69	252	444	511	554	684	806
Communist Countries								
USSR and Eastern Europe ^b	1,600	3,910	7,520	11,400	11,300	11,600	12,100	11,900
USSR	769	2,282	4,605	7,339	7,252	7,522	7,658	7,467
Eastern Europe	832	1,630	2,920	4,060	4,050	4,100	4,430	4,450
Bulgaria	101	219	379	380	348	363	376	421
Czechoslovakia	143	263	413	532	582	601	628	630
East Germany	235	414	511	678	755	771	784	748
Hungary	75	180	391	536	522	582	570	570
Poland ^a	251	387	785	1,143	1,228	1,213	1,250	1,297
Romania	27	165	438	788	612	571	821	786
Other								
Albania	5	2	27	36	45	50	55	N.A.
China	614	1,830	3,923	6,116	5,240	7,739	9,255	9,273
North Korea	N.A.	115	270	414	N.A.	N.A.	N.A.	N.A.
Yugoslavia	109	166	294	360	382	402	425	440

^a Data are "fertilizer years"—in general, the year beginning 1 July.^b Data indicate the quantity supplied to agriculture.

Table 161

Thousand Metric Tons of P₂O₅

Phosphate Fertilizer Consumption, Nutrient Content

	1960/61	1965/66	1970/71	1975/76	1976/77	1977/78	1978/79	1979/80
OECD ^a								
United States	2,488	3,522	4,358	4,742	5,107	4,623	5,086	4,891
Australia	572	954	743	490	739	784	865	934
Canada	169	334	326	503	512	561	630	626
Japan	491	548	656	623	737	747	775	831
New Zealand	225	342	321	386	371	398	415	416
Spain	279	306	432	422	557	376	461	472
Turkey	12	69	176	389	522	614	654	671
European Community	2,740	3,440	4,350	3,790	4,070	4,300	4,610	4,660
France	877	1,259	1,809	1,664	1,796	1,840	1,950	1,984
Italy	379	453	518	490	483	651	812	831
United Kingdom	426	422	543	391	408	416	425	460
West Germany	652	819	913	780	887	873	906	913
Other Countries ^a								
Brazil	77	87	377	1,014	1,380	1,546	1,520	1,676
India	56	134	462	374	650	783	965	1,015
Communist Countries								
USSR and Eastern Europe	1,800	3,380	5,150	7,530	7,810	8,100	8,410	8,620
USSR ^{b c}	1,088	2,091	3,133	4,728	4,903	5,104	5,360	5,480
Eastern Europe ^a	716	1,290	2,020	2,800	2,910	3,000	3,050	3,140
Bulgaria	50	132	235	250	253	331	329	341
Czechoslovakia ^d	150	268	325	456	459	436	465	491
East Germany	218	313	410	441	425	427	431	416
Hungary	66	125	217	429	371	405	410	430
Poland	180	324	595	887	947	933	948	939
Romania	52	127	235	338	454	466	465	519
Other								
Albania	2	5	18	25	22	21	24	N.A.
China ^b	99	307	330	693	634	1,076	1,470	1,833
North Korea	N.A.	43	50	161	N.A.	N.A.	N.A.	N.A.
Yugoslavia	71	151	182	197	188	205	220	220

^a Data are "fertilizer years"—in general, the year beginning 1 July.^c Data indicate the quantity supplied to agriculture.^b Data are for soluble phosphate fertilizers and for ground phosphate rock used for direct application.^d Including phosphate rock.

Table 162

Potassium Fertilizer Consumption, Nutrient Content

	1960/61	1965/66	1970/71	1975/76	1976/77	1977/78	1978/79	1979/80
OECD ^a								
United States	1,967	2,922	3,839	4,726	5,292	5,013	5,665	5,589
Japan	600	613	610	525	647	661	723	736
Spain	95	92	206	258	308	247	288	302
European Community	2,850	3,330	3,990	3,640	3,960	4,120	4,340	4,500
France	750	970	1,389	1,314	1,494	1,558	1,690	1,786
Italy	104	168	225	276	252	327	384	417
United Kingdom	450	436	535	384	411	416	426	461
West Germany	1,006	1,190	1,185	1,099	1,195	1,183	1,178	1,206
Other Countries ^a								
Brazil	106	100	306	558	722	963	991	1,085
India	28	90	228	227	377	483	560	546
Communist Countries								
USSR and Eastern Europe	1,830	3,310	5,000	8,680	8,960	8,570	8,640	7,600
USSR ^b	766	1,891	2,574	5,176	5,577	5,400	5,394	4,411
Eastern Europe ^a	1,060	1,420	2,420	3,510	3,380	3,170	3,250	3,190
Bulgaria	6	10	25	50	56	48	33	58
Czechoslovakia	217	363	489	696	634	597	656	624
East Germany	497	586	614	707	624	472	455	549
Hungary	27	53	229	553	495	524	560	501
Poland	313	396	1,036	1,431	1,496	1,440	1,408	1,332
Romania	3	12	28	71	78	91	137	126
Other								
Albania	1	1	2	2	4	8	5	N.A.
China	0	5	12	112	14	66	233	176
Yugoslavia	103	138	156	163	168	195	210	210

^a Data are "fertilizer years"—in general, the year beginning 1 July.^b Data indicate the quantity supplied to agriculture.

Railroad Freight ^a

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD									
United States ^b	868.5	1,052.7	1,141.0	1,122.7	1,184.1	1,231.0	1,280.0	1,350.0	1,360.0
Canada	95.5	127.1	158.0	197.2	202.2	212.4	215.4	221.9	226.9
Japan	53.4	57.3	63.4	47.1	47.5	41.3	40.3	42.9	39.6
European Community	168	175	201	168	179	172	174	189	185
France	56.9	64.6	70.4	64.0	69.9	66.2	67.3	70.7	69.5
Italy ^c	15.9	15.3	18.0	14.9	16.4	17.6	16.6	17.7	18.0
United Kingdom ^d	30.5	25.2	26.8	20.9	20.6	20.1	20.0	19.9	17.6
West Germany	52.3	57.1	71.3	55.1	59.2	55.8	57.3	66.2	65.3
Other Countries									
India ^{e f}	87.8	116.8	127.4	148.2	156.8	162.7	154.8	158.7	147.3
South Africa ^{e g}	30.8	42.7	57.2	61.9	65.1	69.3	80.2	84.1	96.8
Communist Countries									
USSR and Eastern Europe	1,690	2,180	2,770	3,580	3,650	3,700	3,800	3,720	N.A.
USSR	1,504.3	1,950.2	2,494.7	3,236.5	3,295.4	3,330.9	3,429.4	3,349.3	3,435.0
Eastern Europe	183	230	278	347	355	364	372	375	N.A.
Bulgaria	7.0	10.8	13.9	17.3	17.1	17.1	17.1	17.7	N.A.
Czechoslovakia	43.9	53.2	55.9	62.7	64.5	64.8	65.3	66.5	66.1
East Germany	32.9	38.9	41.5	49.7	51.8	52.2	53.0	54.4	54.7
Hungary	13.3	17.3	19.8	23.5	23.2	24.2	24.5	24.7	24.4
Poland	66.5	81.0	99.3	129.2	130.9	135.4	138.1	135.4	135.4
Romania	19.8	31.0	48.0	64.8	67.6	70.0	73.7	76.0	N.A.
Other									
China	241.4	201.1	284.7	417.7	408.1	455.7	533.3	558.8	571.7
North Korea	9.1	10.5	14.3	24.3	26.4	28.6	30.6	N.A.	N.A.

^a Excluding urban systems; plantation, forest, mine, industrial plant, underground, funicular, and cable railroads; and short lines of little importance. Unless otherwise indicated, data are for the state or principal railroad system and include all goods and livestock carried during the calendar year and exclude service traffic, mail, and nonrevenue government stores. Freight traffic carried on more than one railroad line within a country is counted only once. Foreign trade freight traffic carried through more than one country, however, is counted in each country. Data for the United States include express and mail and are specifically for revenue and nonrevenue freight traffic for a more realistic comparison with Soviet methods of reporting.

^b Including secondary or private railroads operating as common carriers.

^c Excluding livestock.

^d Excluding data for Northern Ireland.

^e Including mail and passenger baggage. Data are for the year beginning 1 April of the stated year.

^f Including service traffic.

^g Including Namibia.

Table 164

Million Metric Tons

Railroad Freight ^a

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD									
United States ^b	1,180.5	1,341.7	1,426.3	1,368.5	1,440.7	1,499.2	1,556.9	1,637.3	1,645.0
Canada ^b	161.2	204.4	211.2	252.4	256.3	246.0	262.0	270.0	276.0
European Community									
France	227.0	238.7	260.0	228.0	235.0	222.0	222.0	233.0	229.0
United Kingdom ^c	253.1	232.2	209.0	176.0	178.0	170.0	171.0	169.0	150.0
West Germany ^{b d}	429.2	423.1	392.6	328.7	342.3	324.0	337.3	371.9	367.0
Communist Countries									
USSR and Eastern Europe	2,820	3,520	4,140	5,080	5,140	5,240	5,310	5,230	N.A.
USSR	1,884.9	2,415.3	2,896.0	3,621.1	3,654.8	3,723.4	3,776.4	3,687.8	3,728.0
Eastern Europe	931	1,110	1,240	1,460	1,480	1,510	1,540	1,540	N.A.
Bulgaria	38.4	56.0	68.2	78.8	76.6	75.2	75.0	70.5	73.2
Czechoslovakia	194.1	218.5	236.9	271.4	275.5	274.3	278.5	283.3	286.2
East Germany	237.8	260.4	262.9	289.0	295.7	298.6	299.7	302.5	304.3
Hungary ^e	96.0	114.8	117.4	131.7	131.5	134.5	134.9	134.1	129.8
Poland	286.9	341.3	382.3	464.2	465.2	481.1	489.4	480.0	482.0
Romania	77.5	114.4	171.3	228.3	238.0	247.9	259.6	272.9	N.A.
Other									
China	492.0	408.0	575.0	840.0	820.0	915.0	1,070.0	1,120.0	1,145.0
Cuba	N.A.	10.0	11.7	10.9	11.3	13.6	13.5	13.5	N.A.
North Korea	38.5	52.0	68.0	106.4	115.0	124.4	133.0	N.A.	N.A.

^a Excluding urban systems; plantation, forest, mine, industrial plant, underground, funicular, and cable railroads; and short lines of little importance. Unless otherwise indicated, data are for the state or principal railroad system and include all goods and livestock carried during the calendar year and exclude service traffic, mail, and nonrevenue government stores. Freight traffic carried on more than one railroad line within a country is counted only once. Foreign trade freight traffic carried through more than one country, however, is counted in each country. Data for the United States are in tons originated, thus giving a more realistic comparison with European methods of reporting.

^b Including secondary or private railroads operating as common carriers.

^c Including data for Northern Ireland.

^d Including service traffic.

^e Including performance of railroads owned jointly by Hungary and Austria within Hungary.

Table 165

Motor Vehicle Freight

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD									
United States ^a	323.85	589.27	675.85	744.75	836.61	910.43	987.53	1,030.18	926.84
Japan	20.80	48.39	135.92	129.70	132.62	143.10	156.06	172.89	178.18
Communist Countries ^b									
USSR and Eastern Europe	119	175	278	433	461	487	517	534	N.A.
USSR	98.52	143.08	220.83	337.93	355.13	373.33	395.98	409.60	431.40
Eastern Europe	20.0	31.6	57.0	94.7	106	114	121	125	N.A.
Bulgaria	2.04	3.82	7.90	12.39	15.00	15.50	16.16	16.08	16.05
Czechoslovakia	5.11	6.98	10.09	15.02	16.29	17.31	18.74	20.08	20.57
East Germany	5.00	7.21	12.23	16.69	18.66	20.05	21.23	21.57	21.70
Hungary	N.A.	2.73	5.82	8.73	9.44	10.44	11.46	11.70	11.22
Poland	5.69	8.38	15.76	32.60	36.78	40.28	42.60	43.87	44.09
Romania	0.94	2.53	5.16	9.29	9.86	10.00	10.46	11.48	N.A.
Other									
China	N.A.	N.A.	16.10	21.60	22.40	25.09	27.40	26.80	27.50

^a Total traffic for all urban streets and rural roads.^b Including traffic by state automotive transport organizations and by cooperatives; branch enterprises; and transport units of industries, plants, offices, and the like.

Table 166

Motor Vehicle Freight ^a

Million Metric Tons Carried

	1960	1965	1970	1975	1976	1977	1978	1979	1980
Communist Countries									
USSR and Eastern Europe	9,920	12,900	17,800	25,900	26,900	27,800	29,100	29,100	N.A.
USSR	8,493	10,746	14,623	20,914	21,591	22,223	23,200	23,175	24,101
Eastern Europe	1,430	2,140	3,170	4,970	5,350	5,670	5,870	5,960	N.A.
Bulgaria	128	281	493	724	765	815	834	848	846
Czechoslovakia	428	578	703	997	1,048	1,083	1,130	1,171	1,252
East Germany	270	346	464	588	674	714	741	730	735
Hungary	135	239	407	501	523	564	591	598	590
Poland	408	569	863	1,743	1,902	2,039	2,109	2,193	2,199
Romania	57	131	240	419	442	458	462	415	N.A.
Other									
China	N.A.	N.A.	342	459	477	534	583	570	585
Cuba ^b	N.A.	4	7	40	50	52	58	61	N.A.

^a Including traffic by state automotive transport organizations and by cooperatives; branch enterprises, and transport units of industries, plants, offices, and the like.

^b State transport only.

Inland Water Freight

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD									
United States ^a	123.00	162.55	229.21	265.16	289.42	296.44	307.48	319.01	N.A.
European Community									
France	10.77	12.51	14.18	11.90	12.16	11.27	11.59	11.90	N.A.
Netherlands	20.02	24.07	30.74	29.60	30.95	32.13	34.46	33.47	N.A.
West Germany	40.39	43.31	48.81	47.56	45.80	49.25	51.49	50.99	N.A.
Communist Countries									
USSR and Eastern Europe	107	143	186	234	235	244	258	247	N.A.
USSR	99.60	133.93	173.98	221.71	222.73	230.65	243.65	232.66	244.70
Eastern Europe	7.32	9.07	11.7	12.5	12.3	13.5	14.7	14.0	N.A.
Bulgaria	0.62	1.06	1.83	2.39	2.39	2.45	2.45	2.62	2.61
Czechoslovakia	1.96	2.17	2.43	2.58	2.57	2.71	3.20	3.36	3.59
East Germany	1.90	1.86	2.11	2.02	1.64	2.22	2.27	1.93	N.A.
Hungary	1.08	1.34	1.60	1.47	1.50	1.71	1.87	1.84	2.06
Poland	0.90	1.41	2.36	1.95	2.35	2.34	2.65	2.04	2.33
Romania	0.86	1.22	1.35	2.08	1.86	2.05	2.29	2.18	N.A.

^a Internal, intraport, and local water traffic, excluding Great Lakes traffic. For 1979, coastwise and foreign trade traffic within US waters together amounted to 117 billion metric ton-kilometers. In the same year, traffic on the Great Lakes amounted to 115 billion metric ton-kilometers of domestic trade and 63 billion metric ton-kilometers of US foreign trade.

Table 168

Million Metric Tons Carried

Inland Water Freight

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD									
United States ^a	358.56	428.63	502.22	528.17	551.30	555.33	566.10	569.79	N.A.
European Community									
France	68.05	89.76	110.35	94.58	93.78	91.20	91.56	92.86	N.A.
Netherlands	149.67	193.99	241.44	235.80	260.31	272.62	277.61	268.29	N.A.
West Germany	171.36	195.69	240.00	227.30	230.03	232.53	246.31	246.49	N.A.
Communist Countries									
USSR and Eastern Europe	235	298	395	524	536	576	609	602	N.A.
USSR	210.32	269.44	357.80	475.50	484.90	520.60	546.20	537.20	568.00
Eastern Europe	24.9	28.4	36.8	48.7	50.6	55.6	62.3	64.8	N.A.
Bulgaria	1.56	2.32	3.69	4.41	4.42	4.57	4.68	4.89	4.93
Czechoslovakia	3.53	4.06	4.46	5.65	5.87	6.42	7.88	8.79	10.46
East Germany	12.63	12.13	13.66	14.59	13.94	15.10	15.56	14.80	N.A.
Hungary	2.30	2.40	2.78	3.04	3.03	3.40	3.50	3.51	3.61
Poland	2.95	4.68	8.84	14.89	16.62	19.14	22.42	23.15	22.20
Romania	1.91	2.86	3.40	6.10	6.74	6.97	8.29	9.69	N.A.
Other									
Cuba ^b	N.A.	0.37 ^c	0.93 ^c	4.83 ^d	4.41 ^d	4.45 ^d	4.75 ^d	5.04 ^d	N.A.

^a Internal, intraport, and local water traffic, excluding Great Lakes traffic.^b Coastal freight.^c Transported by Flota Propia.^d Transported by Flota Propia and companion boats.

Ocean Freight ^a

	1960	1965	1970	1975	1976	1977	1978	1979	1980
Communist Countries									
USSR and Eastern Europe	189	503	922	1,150	1,220	1,230	1,320	1,320	N.A.
USSR ^b	131.5	388.8	656.1	736.2	762.1	772.6	827.6	851.1	835.0
Eastern Europe	57.7	114	266	410	455	459	492	471	N.A.
Bulgaria ^c	2.5	9.1	38.9	42.2	41.9	43.3	49.4	60.8	62.5
Czechoslovakia	7.5	8.3	10.5	12.0	12.4	13.9	14.2	14.6	N.A.
East Germany ^c	10.5	30.2	69.7	79.7	82.7	70.4	62.8	65.7	N.A.
Hungary ^d	1.3	1.7	2.7	4.0	4.2	6.0	6.6	6.7	7.5
Poland ^{c, e}	34.8	56.4	106.6	206.1	250.3	262.7	298.9	250.9	257.4
Romania	1.1	8.4	37.5	66.3	63.5	62.3	60.1	72.2	N.A.

^a Unless otherwise indicated, data are for international shipping and include the ^d Including Danube River traffic.

performance of ships of less than 1,000 gross register tons.

^b Including Caspian Sea, Danube River, and domestic coastal and intercoastal traffic. ^e Possibly excluding the performance of some ships flying the Polish flag but under control of the Chinese-Polish Shipbrokers Corporation.

^c Including coastal traffic.

Table 170

Air Passengers

Billion Passenger-Kilometers

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD									
United States ^a	62.5	110.5	212.0	262.0	288.1	311.0	365.3	421.6	405.9
Canada	4.3	7.6	15.4	25.0	26.0	27.3	29.5	34.6	36.2
Japan	1.1	4.6	15.0	30.1	32.3	39.0	43.9	50.1	51.6
European Community									
France	5.2	7.5	13.6	23.3	25.2	27.3	30.2	32.8	34.1
United Kingdom	7.3	10.7	19.0	30.2	34.0	35.6	45.2	52.6	56.0
Communist Countries									
USSR	12.1	38.1	78.2	122.6	130.8	127.5	140.1	151.0	160.6

^a Revenue passenger-kilometers flown on scheduled service of certificated route air carriers.

Table 171

Million Metric Ton-Kilometers

Air Freight ^a

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD									
United States ^b	1,377	3,363	7,277	8,603	9,067	9,598	10,201	11,040	10,938
Canada	66	156	425	628	682	671	730	800	820
Japan	24	114	426	920 ^c	1,103 ^c	1,230 ^d	1,440 ^d	1,720 ^d	1,980 ^d
European Community									
France	152	232	542	1,086	1,380	1,664	1,810	2,031	2,093
Netherlands	117	212	393	617	663	755	823	913	996
United Kingdom	181	370	617	933	1,015	1,148	1,310 ^e	1,410 ^e	1,550 ^e
West Germany	41	157	523	974	1,098	1,269	1,411	1,586	1,585
Communist Countries									
USSR	563	1,338	1,877	2,590	2,710	2,800	2,860	2,910	3,090

^a Express, freight, and mail traffic.^b Revenue ton-kilometers flown on scheduled service of certificated route air carriers.^c Japan Air Lines data only.^d Japan Air Lines and Japan-Asia Airways.^e Excluding airlines based in the UK territories and dependencies.

Table 172

Units

Civil Aircraft Inventory ^a

	1960	1965	1970	1975	1976	1977	1978	1979	1980
United States ^b									
Jet	424	1,037	2,510	2,374	2,384	2,402	2,477	2,594	2,646
Turboprop	1,418	1,067	153	117	103	68	65	60	31
USSR ^c									
Jet	191	227	430	1,074	1,194	1,369	1,570	1,714	1,850
Turboprop	174	555	1,238	1,496	1,580	1,664	1,766	1,865	1,920

^a Data exclude light aircraft. No attempt has been made to standardize comparisons of the US and Soviet aircraft inventories in terms of capacity for passenger-cargo carrying and/or range capability.^b Large aircraft only. Data for commuters and all cargo operators not available prior to 1979. This data refers to certificate route carriers, supplementals, and commercial operators.^c Data basically represent the inventory of Aeroflot—the Soviet civil airline.

Table 173

Petroleum Pipelines

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD									
United States	333.8	447.3	629.2	740.2	751.9	797.1	855.6	883.3	915.0
Communist Countries									
USSR and Eastern Europe	N.A.	155	300	693	829	959	1,090	1,180	N.A.
USSR	51.2	146.7	281.7	665.9	794.6	922.4	1,049.1	1,140.7	1,216.0
Eastern Europe	N.A.	7.9	18.1	26.7	34.3	36.9	38.9	39.5	N.A.
Czechoslovakia	N.A.	3.2	6.4	4.4	8.7	9.0	9.4	9.6	N.A.
East Germany	0	0.1	2.2	4.3	4.3	4.6	4.7	4.9	N.A.
Hungary	0.1	0.3	0.7	2.5	2.8	2.9	3.1	3.4	3.6
Poland	N.A.	3.2	7.0	12.7	14.7	16.3	16.9	16.8	17.1
Romania	1.0	1.1	1.8	2.8	3.8	4.1	4.8	4.8	N.A.

Table 174

Petroleum Pipelines

Million Metric Tons Carried

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD									
United States ^a	414.7	554.9	784.6	862.9	864.2	925.3	963.3	982.6	1,020.0
Communist Countries									
USSR and Eastern Europe	N.A.	254	402	604	652	685	725	750	N.A.
USSR	129.9	225.7	339.9	498.3	531.7	558.9	588.7	609.0	630.0
Eastern Europe	N.A.	28.0	61.8	106	120	126	136	144	N.A.
Czechoslovakia	N.A.	7.0	13.4	14.9	17.2	17.7	18.6	18.9	N.A.
East Germany	0	3.8	15.4	32.1	35.3	38.1	40.2	40.9	N.A.
Hungary	1.2	3.7	6.3	13.8	15.1	13.4	15.4	17.3	17.3
Poland	N.A.	6.1	15.4	30.5	35.4	38.7	41.1	40.7	40.7
Romania	5.6	7.4	11.3	14.5	17.3	18.3	21.2	22.8	N.A.

^a Data are for tons originated, thus giving a more realistic comparison with the Communist countries.

Mainline Locomotive Inventory ^a

	1960	1965	1970	1975	1976	1977	1978	1979
OECD								
United States ^b	31.18	30.06	29.12	30.20	29.64	29.70	27.02	27.88
Austria	1.48	1.40	1.20	1.19	1.21	1.21	1.20	1.21
Spain	3.64	3.38	1.70	1.14	1.17	1.19	1.20	1.20
Sweden	1.88	1.66	1.58	1.42	1.41	1.40	1.38	1.37
Switzerland	1.10	1.26	1.33	1.42	1.42	1.43	1.44	1.44
European Community	43.0	32.4	24.6	23.6	23.1	23.0	23.3	23.1
France	7.96	7.36	6.07	5.98	5.96	6.00	6.08	6.06
Italy	5.28	4.47	3.58	3.63	3.44	3.49	3.70	3.69
United Kingdom	16.05	8.08	4.45	3.86	3.73	3.69	3.69	3.71
West Germany	10.44	9.59	8.05	7.65	7.51	7.42	7.34	7.18
Communist Countries								
USSR and Eastern Europe	55.8	49.5	48.9	59.5	62.1	64.4	N.A.	N.A.
USSR	34.00	26.90	28.90	37.13	38.99	40.76	42.59	44.34
Eastern Europe	21.8	22.6	20.0	22.4	23.1	23.6	N.A.	N.A.
Bulgaria	0.64	0.73	0.68	0.64	0.69	0.73	0.75	N.A.
Czechoslovakia	5.23	5.20	4.60	4.98	4.87	4.78	4.68	4.48
East Germany	6.00	6.00	5.00	5.92	5.91	5.89	5.90	5.62
Hungary	2.46	2.60	2.00	1.92	2.25	2.29	2.32	2.36
Poland	5.80	6.33	6.25	7.04	7.16	7.34	7.18	7.51
Romania	1.72	1.78	1.50	1.88	2.26	2.62	N.A.	N.A.
Other								
China	5.60	5.34	6.53	8.63	9.06	9.25	9.68	10.15
North Korea	0.35	0.40	0.49	0.67	0.74	N.A.	N.A.	N.A.

^a Unless otherwise indicated, data are for the state or principal railroad system and include diesel, diesel-electric, steam, and electric locomotives. Data are as of the end of the year.

^b Data are for secondary or private railroads operating as common carriers and include gas turbine locomotives.

Table 176

Railroad Freight Car Inventory ^a

	1960	1965	1970	1975	1976	1977	1978	1979
OECD								
United States ^b	1,945.7	1,806.2	1,803.7	1,755.5	1,730.5	1,697.4	1,683.4	1,725.4
European Community								
France	362.6	362.3	302.4	283.9	273.9	265.3	257.0	252.5
United Kingdom ^c	956.0	608.6	383.9	239.7	205.4	185.5	168.8	160.1
West Germany	309.6	329.5	321.0	335.1	337.9	338.3	333.1	330.7
Communist Countries								
USSR and Eastern Europe								
USSR	949.0	1,030.0	1,140.0	1,410.4	1,484.4	1,558.4	1,631.9	1,697.2
Eastern Europe								
Bulgaria	22.0	33.0	37.8	43.0	45.0	46.5	N.A.	N.A.
Czechoslovakia	129.3	136.1	135.8	136.0	138.0	141.6	146.9	N.A.
East Germany	154.3	152.0	150.0	141.8	142.7	140.0	148.0	N.A.
Hungary	62.0	73.4	71.4	88.9	102.3	120.0	125.0	128.0
Poland	249.0	263.9	274.3	305.0	306.0	307.0	N.A.	328.3 ^e
Romania	55.5	68.6	86.0	95.0	109.3	121.1	N.A.	N.A.
Other								
China ^f	132.0	143.0	175.0	237.0	251.0	267.0	269.3	282.6
North Korea ^f	10.4	15.2	23.8	45.3	51.6	N.A.	N.A.	N.A.

^a Units of two, four, or more axles. Unless otherwise indicated, data refer to both state and private ownership of cars used on the state or principal railroad system. Data are as of the end of the year. Because of the lack of comparability in data, totals for the OECD and the Communist countries are omitted.

^b Units of four or more axles.

^c Including secondary or private railroads operating as common carriers.

^d Excluding privately owned tank cars and including data for Northern Ireland.

^e Data are for 1980.

^f The majority are four-axle units.

Civilian Truck Inventory ^a

	1960	1965	1970	1975	1976	1977	1978	1979	1980
OECD									
United States ^b	11,329	14,035	17,843	24,612	26,583	28,312	30,411	31,992	33,595
European Community									
France ^c	1,598	2,134	2,678	2,078	2,201	2,336	2,453	N.A.	N.A.
United Kingdom ^d	1,442	1,726	1,768	1,677	1,762	1,700	1,721	1,862	1,925
West Germany ^e	688	975	1,141	1,281	1,292	1,326	1,368	1,443	N.A.
Communist Countries									
USSR and Eastern Europe	3,670	4,620	5,730	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
USSR	3,140	3,900	4,700	7,000	7,770	8,400	9,120	10,000	N.A.
Eastern Europe	529	715	1,030	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Bulgaria	68	95	115	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Czechoslovakia	117	140	198	261	275	290	309	325	N.A.
East Germany	132	166	282	301	313	333	327	334	N.A.
Hungary	29	43	74	109	112	122	129	N.A.	N.A.
Poland	130	189	274	425	467	510	544	580	N.A.
Romania	53	82	139	150	N.A.	N.A.	N.A.	N.A.	N.A.
Other									
China ^f	154	230	434	914	1,033	1,142	1,278	1,445	1,644
North Korea ^f	11	30	54	116	135	152	170	191	N.A.

^a Unless otherwise indicated, data are as of the end of the year and include wheeled tractors for road haulage and exclude military trucks of all types.

^b Data are for the number of registrations of privately owned trucks and include duplications when trucks are registered in more than one state.

^c Beginning in 1975, only trucks less than 10 years old are being counted.

^d Including data for Northern Ireland. Data are as of 1 October of the stated year.

^e As of 1 July of the stated year.

^f Including both military and civilian trucks.

Table 178

Merchant Fleet Inventory ^a

	1965		1970		1975		1978		1979		1980	
	Number	Thousand DWT	Number	Thousand DWT	Number	Thousand DWT	Number	Thousand DWT	Number	Thousand DWT	Number	Thousand DWT
World Total	17,825	214,069	19,503	325,149	22,353	556,388	24,036	633,368	24,155	641,258	23,855	638,080
Non-Communist Countries	16,243	202,277	17,020	303,720	19,222	523,247	20,378	588,843	20,456	595,419	20,035	590,671
OECD	12,440	148,453	12,164	208,962	11,286	316,611	11,288	325,160	11,126	320,041	10,971	323,210
Non-European Community	7,489	90,974	7,486	128,015	7,145	196,171	7,449	207,851	7,436	206,559	7,391	212,415
United States ^b	2,376	28,283	1,579	21,346	857	17,694	590	19,492	582	19,600	568	20,169
Greece ^c	916	10,388	1,195	18,214	1,804	37,638	2,750	59,453	2,808	63,600	2,835	67,067
Japan	1,333	16,450	2,109	39,142	2,051	63,238	1,890	55,871	1,849	57,405	1,843	57,322
Norway	1,365	23,538	1,173	32,374	991	47,796	673	39,934	626	38,272	613	36,789
Sweden	443	5,643	366	6,898	324	12,723	266	8,831	256	6,911	258	6,378
Other	1,056	6,672	1,064	10,041	1,118	17,082	1,280	24,270	1,315	20,771	1,274	24,689
European Community	4,951	57,479	4,678	80,947	4,141	120,440	3,839	117,309	3,690	113,482	3,580	110,794
France	542	6,406	457	9,007	444	17,690	394	20,326	364	20,770	354	20,327
Italy	588	6,917	625	9,803	633	16,081	679	18,815	672	18,335	647	17,331
United Kingdom	2,052	26,385	1,772	37,065	1,576	54,913	1,407	49,922	1,356	46,168	1,313	45,386
West Germany	843	7,184	993	11,697	611	13,453	557	12,786	495	11,873	470	11,630
Other	926	10,587	831	13,375	877	18,303	802	15,460	803	16,316	796	16,120
Non-OECD Countries	3,803	53,824	4,856	94,758	7,936	206,636	9,090	263,683	9,330	275,378	9,064	267,462
Flag of Convenience	1,898	38,341	2,686	72,065	4,675	159,568	5,056	191,653	4,937	192,744	4,863	189,477
Cyprus	21	207	217	1,933	573	4,762	484	3,252	432	2,826	347	2,212
Liberia	1,313	30,906	1,840	60,992	2,546	132,694	2,369	154,745	2,271	155,342	2,191	150,058
Panama	564	7,228	629	9,140	1,556	22,112	2,203	33,656	2,234	34,576	2,325	37,207
Other Countries	1,905	15,483	2,170	22,693	3,261	47,068	4,034	72,030	4,393	82,634	4,201	77,985
Brazil	227	1,590	201	2,017	260	4,546	285	6,128	258	6,416	278	7,681
India	210	2,266	242	3,709	308	6,943	366	9,178	368	9,279	365	9,359
Malaysia/Singapore	8	19	99	643	429	8,118	714	12,584	699	13,038	651	12,571
Other	1,460	11,608	1,628	16,324	2,264	27,461	2,669	44,140	3,068	53,901	2,907	48,374

Communist Countries	1,582	11,792	2,483	21,429	3,131	33,141	3,658	44,522	3,699	45,839	3,820	47,409
USSR and Eastern Europe	1,171	9,462	1,939	16,845	2,290	23,337	2,502	29,232	2,502	29,890	2,527	30,143
USSR ^d	985	7,961	1,395	11,921	1,622	15,044	1,737	18,391	1,718	18,551	1,725	18,919
Eastern Europe	186	1,501	544	4,924	668	8,293	765	10,841	784	11,339	802	11,225
Bulgaria ^e	60	548	106	948	110	1,228	105	1,545	106	1,643	103	1,617
Czechoslovakia ^f	9	105	12	138	14	221	17	230	17	230	16	227
East Germany	60	550	130	1,310	146	1,729	151	1,822	154	1,878	158	1,864
Hungary	17	23	16	28	16	67	23	111	22	105	22	114
Poland ^g	10	105	230	2,000	289	3,866	305	4,690	302	4,701	312	4,705
Romania	30	170	50	500	93	1,182	164	2,443	183	2,782	191	2,698
Other	411	2,330	544	4,584	841	9,804	1,156	15,290	1,197	15,949	1,293	17,266
Albania ^h	8	44	11	72	11	72	10	74	10	74	10	74
China	190	1,075	269	1,944	495	6,082	760	10,400	796	10,933	870	11,800
Cuba	31	203	53	428	64	581	76	814	73	801	78	893
Yugoslavia	180	1,000	200	2,100	229	2,826	251	3,563	255	3,632	262	3,785
Other ⁱ	2	8	11	40	42	243	59	439	63	509	73	714

^a Ships of 1,000 gross register tons (GRT) or more. Data are as of the end of the year. Data for the non-Communist countries include all combination passenger and cargo ships, whereas, unless otherwise indicated, those for the Communist countries exclude passenger ships that have small cargo capacities.

^b Excluding ships operating only on the Great Lakes and US-owned ships flying the Liberian, Panamanian, and other "flags of convenience."

^c Excluding Greek-owned ships flying the Liberian, Panamanian, and other "flags of convenience."

^d Excluding the Caspian Sea Fleet passenger ships and vessels subordinate to the Ministry of the Fishing Industry.

^e Before August 1968, a few additional Bulgarian-owned ships were operated under the flags of non-Communist countries.

^f Until March 1967, an undetermined number of Czechoslovak-flag ships were jointly owned with China.

^g Including some ships flying the Polish flag but under the control of the Chinese-Polish Shipbrokers Corporation. At the end of 1979, there were 9 of these ships.

^h Data include a number of ships jointly owned by the Chinese-Albanian Joint Stock Shipping Company.

ⁱ Including North Korean, Vietnamese, and Kampuchean vessels.

Table 179

Tanker Fleet Inventory ^a

	1965		1970		1975		1978		1979		1980	
	Number	Thousand DWT	Number	Thousand DWT	Number	Thousand DWT	Number	Thousand DWT	Number	Thousand DWT	Number	Thousand DWT
World Total	3,533	89,576	4,119	152,450	5,177	301,667	5,363	381,527	5,342	382,107	5,439	379,869
Non-Communist Countries	3,290	85,629	3,759	146,555	4,736	292,241	4,839	369,175	4,773	368,657	4,910	366,527
OECD	2,350	58,883	2,528	96,952	2,917	173,746	2,842	200,641	2,753	196,714	2,855	197,425
Non-European Community	1,403	35,335	1,544	56,404	1,814	103,736	1,843	124,270	1,782	122,956	1,872	125,248
United States ^b	341	7,561	294	7,739	267	9,711	271	14,253	274	15,108	273	15,024
Greece ^c	129	2,970	216	7,714	345	15,557	386	24,162	403	26,817	422	27,997
Japan	236	6,965	368	16,036	531	33,950	531	32,902	534	34,347	567	34,486
Norway	467	13,599	363	17,351	332	28,467	302	31,743	280	30,050	273	28,899
Sweden	73	2,098	80	2,887	79	6,524	71	6,368	64	4,354	69	4,087
Other	157	2,142	223	4,677	260	9,527	282	14,837	227	12,280	268	14,755
European Community	947	23,548	984	40,548	1,103	70,010	999	76,371	971	73,758	983	72,177
France	157	3,682	135	5,799	154	13,190	130	16,318	124	16,885	120	16,632
Italy	143	2,872	198	4,585	236	7,953	263	13,322	254	12,775	247	11,758
United Kingdom	441	11,562	434	20,863	459	32,869	408	33,541	407	30,893	426	30,733
West Germany	48	1,295	59	2,956	83	5,627	74	5,717	61	5,235	67	5,353
Other	158	4,137	158	6,345	171	10,371	124	7,473	125	7,970	123	7,702
Non-OECD Countries	940	26,746	1,231	49,603	1,819	118,495	1,997	168,534	2,020	171,943	2,055	169,102
Flag of Convenience	686	23,310	916	42,708	1,299	100,554	1,246	132,107	1,262	134,960	1,252	130,445
Cyprus	1	13	13	214	47	860	23	385	25	263	21	194
Liberia	534	19,018	730	36,802	1,014	89,470	969	118,228	952	120,643	943	116,018
Panama	151	4,279	173	5,692	238	10,224	254	13,494	285	14,054	288	14,233
OPEC	38	571	42	1,315	82	4,245	178	12,247	188	12,154	206	12,740
Iraq	0	0	0	0	10	380	21	2,145	21	2,153	22	2,164
Kuwait	3	161	6	787	7	1,150	18	2,500	20	2,749	22	2,613
Libya	0	0	0	0	5	410	14	1,500	14	1,506	14	1,506
Venezuela	14	284	16	372	15	440	19	585	14	464	13	409
Other	21	126	20	156	45	1,865	106	5,517	119	5,282	135	6,047
Other Non-OPEC	216	2,865	273	5,580	438	13,696	573	24,180	570	24,829	597	25,917
Brazil	46	604	45	810	53	944	69	3,891	71	4,592	74	5,032
India	8	217	13	510	25	1,510	46	3,494	47	3,443	47	3,467
Other	162	2,044	215	4,260	360	11,242	458	16,795	452	16,744	476	17,419

Communist Countries	243	3,947	360	5,895	441	9,426	524	12,352	569	13,450	529	13,342
USSR and Eastern Europe	212	3,562	301	5,108	331	6,975	368	9,278	409	10,284	361	10,081
USSR ^d	184	3,125	265	4,389	280	4,796	315	6,591	355	7,482	310	7,537
Eastern Europe	28	437	36	719	51	2,179	53	2,687	54	2,802	51	2,544
Bulgaria	11	160	18	267	20	472	19	567	18	549	18	549
East Germany	10	144	9	288	16	612	12	520	13	503	12	427
Poland	5	95	5	95	8	665	14	1,014	14	1,014	13	982
Romania	2	38	4	69	7	430	8	586	9	736	8	586
Other	31	385	59	787	110	2,451	156	3,074	160	3,166	168	3,260
China	19	135	38	375	80	1,916	120	2,500	126	2,594	132	2,513
Cuba	2	5	3	26	6	75	12	112	11	111	11	111
Yugoslavia	10	245	15	380	14	378	13	358	12	355	13	434
Other ^e	0	0	3	6	10	82	11	104	11	106	12	202

^a Tankers and whaling tankers of 1,000 gross registered tons (GRT) or more. Data are as of the end of the year and include specialized oil and chemical tankers and some combination carriers (oil/dry bulk carriers). For the purposes of this table, the tonnage is converted to deadweight (DWT).

^b Excluding ships operating only on the Great Lakes and US-owned ships flying the Liberian, Panamanian, and other "flags of convenience."

^c Excluding Greek-owned ships flying the Liberian, Panamanian, and other "flags of convenience."

^d Excluding the Caspian Sea Fleet and tankers assigned to the Ministry of the Fishing Industry.

^e Including North Korean, Vietnamese, and Kampuchean vessels.

Fishing Fleet Inventory ^a

	1970		1975		1977		1978		1979		1980	
	Number	Thousand GRT ^b	Number	Thousand GRT	Number	Thousand GRT	Number	Thousand GRT	Number	Thousand GRT	Number	Thousand GRT
OECD												
United States	201	74	1,743	398	1,928	435	1,974	428	2,190	464	2,537	524
Japan	2,386	978	3,149	1,217	3,014	1,159	2,757	926	2,796	1,081	2,989	1,107
Norway	635	182	621	211	652	222	678	221	724	243	715	240
Spain	1,364	433	1,744	550	1,801	584	1,808	586	1,797	570	1,776	558
European Community	2,140	760	2,460	899	2,380	801	2,250	749	2,264	737	2,298	731
France	660	195	620	200	564	196	543	178	521	171	514	170
Netherlands	284	57	392	93	380	86	377	87	371	89	386	94
United Kingdom	577	235	618	236	557	198	528	182	507	170	516	169
West Germany	182	147	147	145	148	138	152	134	146	128	136	117
Communist Countries												
USSR and Eastern Europe	3,430	4,440	4,720	6,560	5,100	7,170	4,960	6,990	5,060	7,150	5,180	7,500
USSR	3,055	3,997	4,219	5,937	4,537	6,440	4,399	6,406	4,460	6,345	4,564	6,678
Eastern Europe	373	445	498	626	563	728	561	580	598	808	615	819
Bulgaria	17	55	34	94	40	110	34	78	40	110	40	110
East Germany	172	136	164	147	161	147	161	112	171	173	171	173
Poland	176	231	270	282	328	353	331	286	344	355	357	354
Romania	8	23	30	103	34	118	35	104	43	170	47	182
Other												
Cuba	167	66	181	81	195	134	201	155	203	167	264	172
Yugoslavia	3	1	3	1	5	3	5	3	6	3	8	3

^a Data are as of midyear.^b Gross register tons; excluding ships under 100 GRT.

Table 181

Offloading Ports Accessible to Fully Loaded Tankers of 200,000 Deadweight Tons and Larger, January 1981

		Largest Loaded Tanker Accommodated (Thousand DWT)	Port	Largest Loaded Tanker Accommodated (Thousand DWT)
OECD				
Canada	Come by Chance	500		
	Saint John, New Brunswick	350		
France	Point Tupper	350		
	Antifer	700		
	Marseille/Fos	400		
	Dunkirk	300		
	Le Havre	300		
Greece	Sete	275		
	Bordeaux	200		
	Aghii Theodori	250		
	Megara	540		
	Bantry Bay	500		
Ireland	Gela	500		
Italy	Genoa	500		
	Milazzo (Sicily)	330		
	Ancona	300		
	Falconara	300		
	Ravenna	265		
	Augusta (Sicily)	250		
	Porto Torres (Sardinia)	250		
	Savona	250		
	Taranto	210		
	Gaeta	200		
Japan	Sarroch (Sardinia)	200		
	Kagoshima	500		
	Okinawa	500		
	Niigata	280		
	Kashima	270		
	Kawasaki	270		
OECD (continued)				
	Japan (continued)		Uhita	270
			Yokaichi	270
			Yokohama	270
			Nagoya	255
			Chiba	250
			Oita	250
			Shimizu	250
			Shimotsu	250
			Ube	250
			Mizushima	230
			Himeji	210
			Owase	210
			Wakayama	200
	Netherlands		Rotterdam	300
	Norway		Mongstad	300
			Slagenstangen (Oslo)	260
	Portugal		Sines	300
	Spain		Bilbao	500
			Malaga	300
			Terragona	300
			Algeciras	250
			Cartagena	250
			Castellon	200
			Las Palmas (Canary Islands)	200
			Teneriffe (Canary Islands)	200
	Sweden		Brotjorden	350
			Goteborg	350
	Turkey		Izmit	250

Offloading Ports Accessible to Fully Loaded Tankers
of 200,000 Deadweight Tons and Larger, January 1981

	Port	Largest Loaded Tanker Accommodated (Thousand DWT)	Port	Largest Loaded Tanker Accommodated (Thousand DWT)
OECD (continued)				
United Kingdom	Liverpool	500	Israel	Eilat
	Finnart	330	Netherlands Antilles	Curacao
	Milford Haven	300		Bonaire
	Southampton	300		Aruba
	Coryton	280	Philippines	Batangas
	Humber River	210	Singapore	Singapore
	L.O.O.P.	700	South Africa	Durban
	Wilhelmshafen	300	South Korea	Ulsan
Other Countries			China (Taiwan)	Kaohsiung
	Bahamas	500	Trinidad	Point-a-Pierre
Brazil	Sao Sebastiao	300		Galeota Point
Chile	Quintero Bay	210	Yugoslavia	Omishal

Other Countries (continued)

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Conversion Factors

To Convert From	To	Multiply By
Acres	Hectares	0.4046856
Acres	Kilometers, square	0.004046856
Acres	Meters, square	4046.856
Centimeters	Meters	0.01
Centimeters, square	Meters, square	0.0001
Degrees, Fahrenheit	Degrees, Celsius	subtract 32 and multiply by 5/9
Feet	Centimeters	30.48
Feet	Meters	0.3048
Feet	Kilometers	0.0003048
Feet, cubic	Liters	28.316847
Feet, cubic	Meters, cubic	0.028316847
Feet, square	Centimeters, square	929.0304
Feet, square	Meters, square	0.09290304
Gallons, US liquid	Liters	3.785412
Gallons, US liquid	Meters, cubic	0.003785412
Grams	Ounces, troy	0.032151
Grams	Pounds, troy	0.002679
Hectares	Kilometers, square	0.01
Hectares	Meters, square	10,000
Inches	Centimeters	2.54
Inches	Meters	0.0254
Inches, cubic	Milliliters	16.387064
Inches, cubic	Liters	0.016387064
Inches, cubic	Meters, cubic	0.000016387064
Inches, square	Centimeters, square	6.4516
Inches, square	Meters, square	0.00064516
Kilograms	Ounces, troy	32.15075
Kilograms	Pounds, troy	2.679229
Kilograms	Tons, metric	0.001
Kilometers, square	Hectares	100
Liters	Milliliters	1000
Liters	Meters, cubic	0.001
Meters	Millimeters	1000
Meters	Centimeters	100
Meters	Kilometers	0.001
Meters, cubic	Liters	1000

To Convert From	To	Multiply By
Meters, cubic	Tons, register	0.353147
Miles, nautical	Kilometers	1.852
Miles, statute	Centimeters	160934.4
Miles, statute	Meters	1609.344
Miles, statute	Kilometers	1.609344
Miles, square	Hectares	258.9998
Miles, square	Kilometers, square	2.589998
Ounces, avoirdupois	Grams	28.349523
Ounces, avoirdupois	Kilograms	0.028349523
Ounces, troy	Pounds, troy	0.083333
Ounces, troy	Grams	31.10348
Pints, liquid	Milliliters	473.176473
Pints, liquid	Liters	0.473176473
Pounds, avoirdupois	Grams	453.59237
Pounds, avoirdupois	Kilograms	0.45359237
Pounds, avoirdupois	Quintals	0.00453592
Pounds, avoirdupois	Tons, metric	0.000453592
Pounds, troy	Ounces, troy	12
Pounds, troy	Grams	373.241722
Quarts, dry	Liters	1.101221
Quarts, dry	Dekaliters	0.1101221
Quarts, liquid	Milliliters	946.352946
Quarts, liquid	Liters	0.946352946
Quintals	Tons, metric	0.1
Tons, long	Kilograms	1016.047
Tons, long	Tons, metric	1.016047
Tons, metric	Quintals	10
Ton-miles, long	Ton-kilometers, metric	1.635169
Ton-miles, short	Ton-kilometers, metric	1.459972
Tons, register	Meters, cubic	2.831685
Tons, short	Kilograms	907.185
Tons, short	Tons, metric	0.907185
Yards	Centimeters	91.44
Yards	Meters	0.9144
Yards, cubic	Liters	764.5549
Yards, cubic	Meters, cubic	0.7645549
Yards, square	Meters, square	0.836127

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